RESUME AND INTERVIEW GUIDE

KANSAS STATE UNIVERSITY Career Center

Updated June 2025

ABOUT THE CAREER CENTER

WHAT WE DO

Career Advising

- Develop your resume or cover letter
- Strategize your job search
- Learn how to negotiate your salary
- Schedule a mock interview session

Career Classes

LEAD 399-Internships for Career Development

Employer Connections

- Attend a career fair or employer event
- Interview with employers visiting K-State
- Practice telling your story at a mock interview clinic

College to Career Statistics

- See where students have interned
- View company/salary statistics for grads

HANDSHAKE ACCOUNT

Login using your K-State eID and password for 24/7 access to:

Job Listings

- Search for part-time, full-time and internship positions
- Have new jobs automatically emailed to you

On-Campus Interviews

• Sign up to connect with employers coming to campus

Employer Directory

- Find information about companies and recruiters
- Follow employers of interest

Document Upload

• Upload your resume, CV or transcripts for employers to view

CONNECT WITH US

Make an Appointment

- Via your Handshake account
- <u>www.k-state.edu/careercenter</u>
- (785) 532-6506

Visit Us

- Berney Family Welcome Center
- 705 N. Martin Luther King Jr. Drive, Manhattan, KS 66506

Follow Us

• On Instagram and Facebook: @kstatecareer

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TERMS OF USE

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RESUME WRITING

The main purpose of a resume is to secure a job interview by showcasing your skills, strengths and experiences. It is important to tailor your resume for each application, emphasizing relevant qualifications. Because many employers use Applicant Tracking Systems (ATS), understanding how these systems work and incorporating relevant keywords can significantly increase your chances of progressing to the interview stage.

UNDERSTANDING APPLICANT TRACKING SYSTEMS

When you upload your resume as part of an on-line application, it is likely to be reviewed by an Applicant Tracking System (ATS). These systems organize and rank resumes based on keywords and phrases in the job description, top candidates then move on to the hiring manager for review. Follow guidelines below to ensure your resume formatting and content are tailored to clear the ATS effectively.

Formatting an ATS-Ready Resume

- Create in Word; not Canva or other image-based templates
- Don't use header/footer, text boxes, tables, or columns
- Use standard fonts such as Arial, Times New Roman, Georgia, or Helvetica, use one consistent font type
- Use size 10-12 font, avoid using more than 2 font sizes
- Use regular solid bullets
- Keep margins consistent on all sides, use .5-1" margins
- Left align text (dates aligned on the right)
- Write out months, avoid using seasons like "Summer" (e.g. June 2024- August 2024)
- Stick to simple section titles like "Work Experience"
- Use full name and acronym such as Master of Business Administration, MBA
- Save file as .docx; use PDF when uploading to preserve formatting

Describing Your Experience

- Use past tense action verbs for all experiences, including current position
- Include key words and skills in descriptions
- Pay close attention to required qualifications section

TAILOR YOUR RESUME

It is important to match your skills with the employer's needs. In order to make your resume stand out, you must tailor your resume to the position you are applying for.

- Utilize the job description; analyze it and identify key skills that the employer is looking for.
- Make sure to incorporate the desired skills that you have within your action statements.
- Do not simply state that you have these skills; use examples to SHOW how you have demonstrated them.

INVENTORY YOUR EXPERIENCE

Catalog your experiences and what you have been involved in over the past 3-4 years. Customize your document to emphasize college experiences. Do not include anything from high school after your freshman/sophomore year of college unless it is relevant. Consider the following categories for things you *might* include:

- Education, Trainings, Certifications
- Research, Relevant Coursework, Projects
- Previous Employment, Internships
- Military Experience
- International Experience
- Community Service, Volunteer Work
- Activities, Campus Involvement
- Leadership Experience, Honors, Awards
- Technical Skills
- Language Proficiencies
- Professional Associations

IDENTIFY AND COMMUNICATE YOUR SKILLS

Examine your experiences and determine what special skills, abilities, and knowledge you have gained from them. Communicate this information through bulleted, action statements.

- Begin each bullet with an action verb
 - See a list of action verbs on pages 9-10
- Make sure you are using the correct verb tense. In order to optimize your resume for the Applicant Tracking System (ATS), use past tense verbs for all descriptions

- Use brief, yet descriptive phrases to show how you have acquired and/or utilized your skills, abilities, and knowledge
- Quantify when possible

COVER LETTER

Applications for professional positions often require both a resume and a cover letter. Your cover letter should not simply restate your resume in paragraph form; it should connect your skills and experiences to the job description.

USE THE JOB DESCRIPTION

Just as you tailor your resume, you should always tailor your cover letter by using the job description. Identify three main skills the employer is seeking, and communicate how you have demonstrated or developed these skills through your experiences.

ORGANIZE YOUR COVER LETTER

Cover letters should be kept to one page, and have a standard, three to four-paragraph structure.

- Use the same header as your resume.
- Always try to address the letter to a person; avoid using "To Whom It May Concern" if possible.
- Paragraph 1: Briefly introduce yourself, how you found out about the position, why you are interested, and what skills you can contribute.
- Paragraphs 2 & 3 (if needed): Describe why you are the best candidate, examine the job description and highlight your skills as they relate to the position.
- Paragraph 4: Restate your skills in a summary statement, indicate when you will follow-up on your application, provide your contact information, and thank the employer for his /her time and consideration.

See pages 7-8 for cover letter examples.

COVER LETTER EXAMPLE, Undergraduate Student

Willie Wildcat

Manhattan, KS| 785-111-3214| williewildcat@ksu.edu

April 14, 202X

Ms. Ann LaGrand Corporate Recruiter Echo Global Logistics 605 W. Chicago Avenue, Suite 754 Chicago, IL 60654

Dear Ms. LaGrand:

Please find my resume attached for the Inside Sales position that Echo Global Logistics has advertised on the Kansas State University's Career Center Handshake account. Upon graduating in May, I am looking to relocate back to the Chicago area. I was excited to learn of this sales opportunity that would utilize my background in marketing along with my leadership experience.

Over the past two years, I played a key role in marketing K-State through interactions with the public of all ages and demographic backgrounds as one of the school's mascots. As a member of the K- State athletic department football marketing committee, I suggested changes to the football pre- game advertising which were implemented (impacting 40,000+ fans).

I have further enhanced my leadership abilities in the following areas as the Vice President of the College of Business Marketing Club:

- Generating Results: As a team, we collaboratively achieved a 15% increase in member involvement through better marketing of events, speakers, and trips
- Communication: Assisted in coordinating the logistical details for all team meetings; executed a group site visit trip to Chicago involving members, faculty, and employers
- Teamwork: Met bi-monthly for full group meetings and weekly for executive team meetings; determined goals, generated ideas, and executed plans

The Echo Global Logistics Inside Sales position offers an opportunity to utilize my creative marketing abilities, communication, and leadership skills toward building Echo's market share as a third-party logistics supplier. I will contact you the week of April 19 to follow-up on my application. If you would like to contact me prior to this, I can be reached by email at williewildcat@ksu.edu or at 785-111-3214.

Thank you in advance for your consideration.

Sincerely,

Willie Wildcat

COVER LETTER EXAMPLE, Graduate Student

Cameron T. Whitney, Ph.D.

Kansas State University, Dept. of Electrical and Computer Engineering Manhattan, KS 66502 cwhitney@k-state.edu; (785) 555-5555

August 7, 202x

Dr. Paul Aken Professor and Chair Department of Electrical and Computer Engineering United States Naval Academy 555 Blake Road Annapolis, MD 55555

Dear Dr. Aken,

Please accept my letter of application for the position of Assistant Professor in Electrical and Computer Engineering. I became aware of this position through the Naval Academy's Human Resource Department website, and immediately realized an opportunity that aligns with my specialty. I recently completed a Ph.D. in Electrical Engineering, and I am excited about the prospect of a career in teaching and research at the United States Naval Academy (USNA). USNA values mental, moral, and physical development and as an alumnus, I seek to contribute my leadership, teaching, and research abilities.

Throughout my undergraduate and graduate degrees, I have consistently excelled in leadership and teaching opportunities. In particular, I was a Battalion Training Officer at USNA where I was tasked to revitalize and implement training programs for approximately 720 midshipmen. This experience armed me with the skills necessary to inspire and motivate students. This also set the course for a successful four-year Teaching Assistantship at K-State. Throughout these experiences, I have acquired a teaching skill set that embraces innovation and fosters an environment where the rewards of a challenge supersede the inherent demands.

Research has undoubtedly been integral to my studies. Embarking on projects at both USNA and K-State, I have developed strong collaborative relationships with constituents from research institutions such as Oak Ridge National Laboratory and Raytheon BBN Technologies. Furthermore, my research background has provided the experience and knowledge necessary to instruct on subjects related to graph theory, cryptography, smart grids, and software defined networking. Finally, the rich set of theoretical constructs, practical tools, and collaboration employed through my research, seamlessly facilitate the development of a curriculum in Software Defined Networking and related fields.

I am confident that I have both the strong teaching background and cutting-edge research capabilities to provide world class exposure to midshipmen at USNA. Furthermore, my high level of instruction will be an asset to your

department. Please feel free to contact me at (785) 555-5555 or cwhitney@k-state.edu if you have any further questions. Thank you for your time and consideration. I look forward to hearing from you.

Very Respectfully,

Cameron T. Whitney

ACTION VERBS

MANAGEMENT SKILLS

MANAGEMENT S	SKILLS		
administered	delegated	improved	prioritized
analyzed	developed	initiated	produced
assigned	directed	instituted	recommended
attained	enhanced	managed	reorganized
chaired	established	motivated	reviewed
consolidated	evaluated	organized	scheduled
contracted	executed	oversaw	strengthened
coordinated	increased	planned	supervised
COMMUNICATIO	N SKILLS		
addressed	drafted	mediated	resolved
authored	edited	moderated	spoke
collaborated	elicited	negotiated	translated
composed	explained	persuaded	wrote
contacted	formulated	promoted	
convinced	influenced	publicized	
corresponded	interpreted	reconciled	
directed	lectured	recruited	
RESEARCH SKIL	LS		
analyzed	diagnosed	interpreted	reviewed
clarified	evaluated	interviewed	solved
collected	examined	investigated	summarized
compared	gathered	located	surveyed
conducted	extracted	organized	systematized
critiqued	identified	researched	tested
TECHNICAL SKI	LLS		
adapted	designed	maintained	replaced
applied	developed	operated	solved
assembled	devised	overhauled	standardized
built	engineered	programmed	studied
calculated	fabricated	remodeled	upgraded
computed	installed	repaired	utilized
TEACHING SKILI	S		
		facilitated	inctructed
adapted	developed	facilitated	instructed
advised coached	enabled	focused	persuaded
coached	encouraged	guided	stimulated

9

individualized

informed

trained

tutored

evaluated

explained

communicated

coordinated

FINANCIAL SKILLS

administered	balanced	estimated	projected
allocated	budgeted	forecasted	reconciled
analyzed	calculated	managed	reduced
appraised	computed	marketed	researched
audited	developed	planned	

CREATIVE SKILLS

acted	developed	instituted	planned
adapted	directed	integrated	revised
composed	established	introduced	revitalized
conceptualized	fashioned	invented	shaped
created	founded	modified	solved
customized	illustrated	originated	
designed	initiated	performed	

HELPING SKILLS

advocated	counseled	facilitated	rehabilitated
aided	demonstrated	familiarized	represented
assessed	diagnosed	guided	resolved
assisted	educated	intervened	supported
clarified	encouraged	motivated	volunteered
coached	expedited	referred	

CLERICAL or DETAIL SKILLS

approved	distributed	prepared	set up
arranged	executed	processed	standardized
catalogued	generated	purchased	specified
charted	implemented	recorded	systematized
classified	inspected	retrieved	tabulated
coded	maintained	reviewed	updated
collected	monitored	routed	validated
compiled	operated	scheduled	verified
dispatched	organized	screened	

.

MORE VERBS FOR ACCOMPLISHMENTS

achieved	completed	resolved	surpassed
expanded	improved	restored	transformed
pioneered	reduced (losses)	succeeded	won

RESUME EXAMPLE/Undergraduate/Early Student

Aura Gomez

555 Bluemont Ave. Apt 15 Manhattan, KS 66502 | agomez@k-state.edu | (555) 555-5555

Education

Kansas State University, Manhattan, KS Bachelor of Science in Arts & Sciences Cumulative GPA 4.0 Major: Exploratory Studies

Leawood High School, Leawood, KS High School Diploma Cumulative GPA 4.0

Activities and Involvement

Hispanic American Leadership Organization (HALO), Kansas State University Member

- Helped plan events such as the Hispanic Heritage Month and Belleza Latina to foster a sense of cultural celebration and unity within the university
- Participated in Encuentro to enhance communication skills and the ability to network effectively .
- Engaged in discussions during meetings that involved analyzing issues and problem solving Project IMPACT, Kansas State University

Member

- Participated in a program intended to increase retention and graduation of multicultural students in the colleges of engineering, agriculture, and business
 - Achieved consistently good grades, demonstrating dedication to academic excellence

Multicultural Academic Program for Success (MAPS), Kansas State University Member

- Improved academic performance, leadership development, and personal growth as a committed participant selected for this program
- Developed teamwork skills through completion of biofuels research project .
- Interacted with professionals in the field, acquiring knowledge of challenges and opportunities . within the industry

Student Council, Leawood High School

Member

- Organized school-wide dances and homecoming activities utilizing event planning skills
- Communicated weekly announcements to remind council members of tasks and deadlines

Fellowship of Christian Athletes (FCA), Leawood High School

Student-Athlete

- Participated in discussions about integrity and perseverance central to athletics and Christianity
- Planned school-wide activities after participating in athletics to foster a positive school culture

Volunteer Experience

Bovs and Girls Club. Leawood. KS

Program Mentor

Guided mentees through schoolwork, offering individualized academic support once a week Day Resource Center, Fort Worth, TX January 2021

K-State Alternative Breaks Volunteer

- Coordinated donations efforts, ensuring timely collection and distribution of items
- Demonstrated organizational skills by accurately completing forms for "Room in the Inn"

Resume Tip:

Remove high school and associated activities (unless they are directly related) after your freshman/sophomore year of college.

Iune 2023 – Present

August 2023 – Present

May 2023 - August 2023

August 2020 - May 2023

August 2020 - May 2021

August 2019 - May 2023

Graduation May 2027

May 2023

RESUME EXAMPLE/Undergraduate

Hannah DeMarco

Manhattan, KS 66502 • 555-555-5555 • hdemarco@k-state.edu

EDUCATION

Kansas State University, Manhattan, KS Bachelor of Science in Business Administration Major: Marketing; Minor: Leadership Studies

EXPERIENCE

ONEOK (Kansas Gas Service), Overland Park, KS

Business Development Intern

- Researched, drafted and mailed marketing letters to raise awareness of natural gas benefits for potential and current residential customers
- Developed website recommendations to educate viewers on the benefits of natural gas
- Participated in corporate events to gain insight into the organization, encompassing economic development and Home Builder Association engagements
- Supported representatives in handling customer calls regarding rate increase, project expansions, and the possible establishment of a Compressed Natural Gas (CNG) station
- Presented a demo-training session and revised instructions for a new pipeline management system

K-State Career Center, Manhattan, KS

Paraprofessional

- Designed advertisements and coordinated the placement of sandwich boards to promote career events
- Employed strong interpersonal skills to reach out to part-time employers within the community. encouraging them to post jobs and internships for students on the handshake software

Great Bend Regional Hospital, Great Bend, KS

Human Resource Director Assistant

- Designed the internal website using a website editor to ensure information was accessible
- Established an employee database using Microsoft Excel to input all confidential employee information

LEADERSHIP & ACTIVITIES

Alpha Kappa Psi, Kansas State University Fundraising Co-Chair

- Organized successful fundraising events, including a sand volleyball tournament that raised \$350 and • Telefund, which raised \$800
- Implemented new fundraising events, including selling personalized CBA water bottles to students (raised \$654) and distributing pizza deal cards sponsored by four local pizza stores (raised \$455)

College of Business Administration, Kansas State University

Marketina Business Tour Participant

- Expanded professional network by interacting with faculty, students, and industry professionals •
- Developed understanding of emerging markets, business industry protocols, and market trends
- Communicated effectively with individuals from diverse backgrounds while exploring malls and markets

CAMPUS INVOLVEMENT

- Golden Key Honorary Society, Member .
- Sigma Alpha Lambda Leadership and Honorary Society, Member •
- K-State Marketing Club, Member .

HONORS & AWARDS

- Dean's List, Recipient National Society of Collegiate Scholars, Recipient •
 - Alpha Kappa Psi All-Academic Team, Recipient

STUDY ABROAD PROGRAM

University of Westminster, London, England Relevant Coursework: Business Communications, Marketing in Everyday Life

Graduation May 2025 GPA: 3.7/4.0

August 2022 - May 2024

August 2022 - May 2023

August 2022 - Present August 2022 - Present August 2021 – Present

August 2022, August 2023, August 2024 January 2023 August 2022

August 2023

January 2022

May 2024 - Present

Iune 2022 - August 2022

PREPARE YOUR REFERENCES

When selecting references, be sure to ask people who are willing and able to provide positive, specific feedback. Consider advisors, mentors, faculty, current or former supervisors, and/or other professionals who have observed your work.

- Always ask if they are comfortable serving as a positive reference; never assume.
- References should be listed on a separate piece of paper with the same header as your resume.
- Information should include: reference name, job title, company name, address, email, and phone number.
- Organize either by listing best reference first or alphabetically

REFERENCE PAGE EXAMPLE

Aura Gomez

555 Bluemont Ave. Apt 15 Manhattan, KS 66502 | agomez@k-state.edu | (555) 555-5555

<u>References</u>

Dr. Jason Jones Faculty Internship Supervisor College of Education 101 Bluemont Hall Kansas State University Manhattan, KS 66506 555.555.5555 jjones@k-state.edu

Mr. Taylor Thompson

Tutoring Program Supervisor Ogden Friendship House 106 North Elm Street Ogden, KS 66517 555.555.5555 tjt@kansaseast.org

Ms. Jane Wilson

After School Supervisor Big Brothers Big Sisters 411 Lincoln Street Wamego, KS 66547 555.555.5555 jwilson@bbbs.org

CURRICULUM VITAE (CV)

CVs are commonly used by individuals with graduate degrees who are applying for positions in academia or research. The goal of this document is to construct a scholarly identity; thus, the focus should be on teaching experience, research, and publications.

If you are submitting a CV for a job in industry, note that many companies use Applicant Track Systems (ATS) for initial screening of candidates.

See ATS resume formatting guidelines on page 4.

WHAT TO INCLUDE

CVs may vary based on the emphases of different disciplines, so make sure that you refer to recent examples from people in your field. Common categories to include are:

- Education, research projects
- Teaching experience, academic and related employment
- Publications, presentations, recognitions, awards
- Professional associations
- Departmental and community service

FORMAT YOUR CV

There is not one set format for CVs. The most important consideration regarding format is to be clear, concise, and consistent.

- Content will determine length; there are no page restrictions, but everything on your CV should be purposeful.
- When writing descriptions, use detailed yet brief action statements such as those used for resumes, or short summary paragraphs. Use one style consistently throughout.
- Formatting should enhance readability, not hinder or distract.
- Include references either as a section or as a separate page.
 - See the references page example on page 13.

ORGANIZE YOUR CV

The most important information should come first on your CV. The type of position determines the importance of information. For example, research experience is more relevant when applying to a research university than when applying to a liberal arts school that gives priority to teaching experience. Give careful consideration to the position description and what the organization values when organizing your CV.

See pages 15-17 for a CV example.

Andrea Sydney

Kansas State University Department of Electrical and Computer Engineering Manhattan, KS 66502 sydneya@ksu.edu; (785) 341-7685

EDUCATION

Ph.D. Electrical Engineering – Kansas State University, Manhattan, KS Advisors: Dr. Caterina Scoglio, Dr. Don Gruenbacher	nticipated: May 2025	
Dissertation Title: "Evaluation of Software Defined Networking for Communication and Control of Cyber Physical Systems"		
M.S. Electrical Engineering – Kansas State University, Manhattan, KS Advisor: Dr. Caterina Scoglio	May 2022	
Thesis Title: "Characteristics of Robust Complex Networks"		
B.S. Electrical Engineering – United States Naval Academy, Annapolis, MD	May 2020	
TEACHING EXPERIENCE		
Graduate Teaching Assistant	Aug 2022 – Present	
KSU: Electrical and Computer Engineering, Manhattan KS		
Introduction to Computer Engineering		
 Taught three lab sections (13 students per section), in addition to teaching class lectures 		
in the absence of the instructor (90 students in the spring, 120 students in the fall).		
Responsibilities: Introducing new lab concepts, obtaining solutions for examinations,		
grading, answering students' questions, designing labs, and contributing material to the		

- lab manual.
 Content: Digital systems and binary numbers, Boolean algebra and logic gates, gate-level minimization, combinational logic, synchronous sequential logic, registers and counters, memory and programmable logic, design at the register transfer level, and asynchronous sequential logic.
- Text: Mano, M.M. & Ciletti, M.D. (2015). Digital Design (4th Edition). Pearson Prentice Hall, in addition to a lab manual developed by Teaching Assistants.

RESEARCH EXPERIENCE

Graduate Research Assistant

KSU: Electrical and Computer Engineering, Manhattan KS

- Introduced a new metric called Elasticity to extract the characteristics of robust complex networks.
- Collaborated with systems engineers from Princeton to administer MyPLC (A private version of the PlanetLab controller) for the Great Plain's Environment for Network Innovations (GpENI) sub-aggregate of the Global Environment for Network Innovation GENI) testbed.
- Deployed the network gear necessary to create the 13th OpenFlow (a Software Defined Networking Technology that forms the backbone of the GENI testbed) campus site.
- Utilized Software Defined Networking for communication and control of cyber physical systems.

Aug 2020 – Aug 2022

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PROFESSIONAL EXPERIENCE

Intern (Seasonal)

Raytheon BBN Technologies, Cambridge, MA

- Collaborated with engineers of the Global Environment for Network Innovations Project Office (GENI Project Office or the GPO), Internet2, National LambdaRail, and University of Utah to deploy a collection of network resources including network links and compute resources.
- Collaborated with students of the University of Delaware to deploy the Leveraging and Abstracting Measurements with perfSONAR (LAMP) suite of monitoring tools.
- Presented the fully operational monitoring system to all GPO personnel.
- Evaluated the status of the system and provided feedback to the GPO on the fragility of LAMP and the future direction for monitoring within the GENI core network.
- Collaborated with constituents of various OpenFlow enabled universities including Stanford and Virginia Tech to develop and deploy a network test suite.
- Deployed a web server application to monitor traffic between campuses.
- Collaborated with network engineers and research scientists to configure, evaluate, and create documentation for the Pronto LB4G OpenFlow switch.
- Deployed a 16 screen video-wall for network monitoring.
- Evaluated the SNAC OpenFlow Policy Manager.

Intern

United States Naval Academy, Annapolis, MD

- Designed a microcontroller to control the elevation of a helix antenna.
- Designed a second microcontroller that synchronizes inputs from computer software with the rotation of a 5m dish which tracks and collects data from satellites that are within the horizon of Annapolis.

Computer and Network Technician

Sir Arthur Lewis Community College, St. Lucia

• Responsible for the configuration and maintenance of 400 computers.

PEER-REVIEWED PUBLICATIONS

Published

 A. Sydney, C. Scoglio, and D. Gruenbacher. Optimizing Algebraic Connectivity by Edge Rewiring, January 20xx, Applied Mathematics and Computation, Elsevier, Vol. 219, Issue 10, pp. 5465-5479, 20xx.

Journals

- A. Sydney, J. Nutaro, C. Scoglio, and D. Gruenbacher. Simulative Comparison of Multiprotocol Label witching and OpenFlow Network Technologies for Transmission Operations, IEEE Transactions on Smart Grids, (Accepted for publication, October 20xx).
- 3. A. Sydney, C. Scoglio, M. Youssef, and P. Schumm. *Characterizing the Robustness of Complex Networks. International Journal of Internet Technology and Secured Transactions*, Volume 2, pp. 291-320, 20xx (10 citations).
- C. Scoglio, W. Schumm, P. Schumm, T. Easton, S. Chowdhury, A. Sydney, and M. Youssef. *Efficient mitigation Strategies for Epidemics in Rural Regions*. PLoS ONE, 20xx (9 citations).

Submitted

1. **A. Sydney**, D. S. Ochs, C. Scoglio, D. Gruenbacher, and R. Miller. *Software Defined Networking (SDN) in GENI: Experimental Evaluation of OpenFlow Technology for Smart Grids*, June 20xx, submitted to Elsevier Computer Networks Special Issue on Future Internet Testbeds (Under review).

In Preparation

1. A. Sydney, X. Ou, C. Scoglio, and D. Gruenbacher. *Moving Target Defense System using Software Defined Networking.*

May 2010 - June 2012

July 2019 - Aug 2019

May 2021 – Aug 2021

A. Sydney

Conferences

- 1. A. Sydney, C. Scoglio, and D. Gruenbacher. *The Impact of Optimizing Algebraic Connectivity in Hierarchical Communication Networks for Smart Grids, IEEE PES Innovative Smart Grid Technologies* (Accepted for publication December 20xx).
- A. Sydney, C. Scoglio, P. Schumm, and R. Kooij. *Elasticity: Topological Characterization of Robustness in Complex Networks*. In Proceedings of IEEE/ACM Bionetics, Hyogo, Japan, 20xx.

In Preparation

 A. Sydney, C. Scoglio, and D. Gruenbacher. Software Defined Networking-Traffic Engineering: A Performance Comparison of Multiprotocol Label Switching and OpenFlow for Smart Grid Operation.

INVITED TALKS AND POSTERS

- 1. Experimental Evaluation of Software Defined Networking for Smart Grids, K-State Smart Grid Lab Inauguration, Oct 20xx.
- 2. Software Defined Networking in GENI: Using OpenFlow to Support Cyber Physical System Traffic, GENI Engineering Conference, July 20xx.
- A Complex Network Approach to Control Epidemics in Rural Regions. NSF Cyber-Physical Systems Luncheon for the U.S. Senate. Hart Senate Office Building, Washington D.C., July 20xx.

RESEARCH PROPOSALS AND GRANTS

- GENI: Transforming our World Through the Pursuit of Knowledge in Software Defined Networking Sponsor: GENI Project Office Investigators: D. Gruenbacher, C. Scoglio, A. Sydney (PI) Amount: \$200,000 for 2 years Status: Pending
- Smart Grid Communication and Experimentation on GENI* Sponsor: Engineering Power Affiliates Program Investigators: D. Gruenbacher, C. Scoglio Amount: \$25,000 for 1 year Status: Awarded March 20xx
- Smart Grid Communication, Control, and Cyber Security Analysis and Experimentation on GENI* Sponsor: Engineering Power Affiliates Program Investigators: D. Gruenbacher, C. Scoglio Amount: \$23,996 for 1 year Status: Awarded March 20xx

*Research proposals and grants that I provided substantial contributions.

SERVICE, MEMBERSHIPS AND AWARDS

Cyber Defense Club (K-State), Member	Sept 2022 – Present
Reviewer for the Computer Networks Journal, Elsevier	Dec 2022 – Present
NS-3-Users Google Group	Aug 2021 – Present
National Society of Black Engineers (NSBE), Member	Aug 2016 – Present
Institute of Electrical and Electronics Engineers (IEEE), Member	Aug 2016 – Present
Outstanding Graduate Teaching Assistant	

NETWORKING

Networking is talking to people about your career goals and experiences. Networking is not asking someone for a job.

DEVELOP A PLAN

- Identify people you will contact and decide how you will connect with these individuals.
- Create a list of contacts: mentors, professors, advisors, classmates, previous employers, etc.
- Search for people with your desired position using a professional social networking site like LinkedIn.com.
- Determine your preferred mode of communication.

COMMUNICATE WITH A NETWORKING CONTACT

When seeking to connect with a networking contact, you may want to send a networking letter to set up an informational interview.

See the networking email example on page 19.

The purpose of an informational interview is for you and the employer to exchange information and get to know one another without reference to a specific opening. During an informational interview, make sure to

- Have specific questions about the field and the company; you will need to do some research on the company.
- Have a resume with you in case the employer asks for a copy, otherwise you can follow up with an email and send an electronic version.
- Send a thank you within 24 hours of the interview.

See the networking thank you example on page 20.

Sample Questions:

- What path led you to the position you are in today?
- What kind of preparation is needed for this job?
- What do you like/dislike most about your current position?
- Can you describe your company's culture?
- What are the top three things you spend your time doing?
- Who else do you recommend I talk to?

NETWORKING EMAIL EXAMPLE

Hello Mr. Denison:

Dr. Thomas Martinez, a Finance professor here at Kansas State University, suggested I connect with you regarding the finance industry in Kansas City. I will complete my Bachelor's in May and am hoping to learn more about P & R, as well as your personal career path.

I would appreciate the opportunity to introduce myself over a cup of coffee, through a 10-minute phone conversation, or during a short meeting at your office. I will follow up with a phone call this Friday. In the meantime, feel free to contact me at (785) 555-5555 or msall@k-state.edu.

Thanks,

Mark Salling 1234 College Street Manhattan, KS 66502 (785) 555-5555

NETWORKING THANK YOU EXAMPLE

555 Bluemont Manhattan, KS 66502

July 15, 202x

Mr. Kade Tyde Associate Vice President Tran Corporation 555 SW 10th Street St. Louis, MO 63127

Dear Mr. Tyde:

Thank you for the opportunity to meet with you regarding your role at Tran Corporation. It was very helpful to hear your perspective on the current job market and your ideas about Tran's global positioning.

As we discussed, I am including my resume for your review and/or to pass on as you see fit. I certainly appreciate your time and consideration in meeting with me, and I look forward to continued communication.

Sincerely,

Samantha White <u>swhite@k-state.edu</u> <u>www.linkedin.com/samwhite</u>

Networking Thank You Tip:

If sending via email, exclude all the contact information and begin with the greeting, which can be slightly more informal: Hello Mr. Tyde

CREATE YOUR 30 SECOND INTRODUCTION

This is an introduction that provides the person you are talking to with key information about you. It is often given in response to the question "Tell me about yourself." This should be conversational, not rehearsed. Include

- Your name, year, and major
- How your skills/experiences relate to the position, or would benefit the employer
- What you are looking for

Networking Tip:

Take advantage of when employers are on-campus: attend networking events, informational sessions, etc.

MAINTAIN AN APPROPRIATE ONLINE IMAGE

You can utilize social media to not only promote yourself professionally, but also to find out about job opportunities and stay connected with professional contacts.

- Always represent yourself online as you would in person; some employers will search social networking sites, Google, etc. to obtain information on job candidates.
- Be aware that some social media information might be accessible even if you think it is secured.
- Communicate what type of position you are looking for.
- Interact with companies you are interested in.
- Connect with recruiters when possible.
- Follow professional associations and organizations.
- Utilize LinkedIn as a tool to maintain and build professional connections.

Additional Networking Tips:

Join groups using LinkedIn to meet alumni in your field. The KSU Alumni Association has an alumni group. There are also informal alumni groups. All are good resources for networking.

INTERVIEWING

The interview is a critical aspect of a successful job search. You must be able to effectively sell yourself and your skills to a prospective employer.

HOW TO PREPARE

Before the interview, you will want to prepare by researching the employer and practicing your interview skills. You will also want to plan appropriate interview attire.

RESEARCH THE EMPLOYER

Review the company website, literature and press releases, visit with current employees, or contact a career advisor or professor. Research the following areas

- Locations
- Products and services
- Mission of the company/organization
- Major failures and accomplishments
- Financial records
- Reputation
- Major competitors
- Office culture and structure

PRACTICE INTERVIEWING

Review your skills and experiences, and practice answering interview questions aloud:

- Schedule a mock interview with your Career Center advisor.
- Participate in employer mock interviews. This is a great way to practice without the pressure of having a job on the line.
- Practice with a friend or family member.
- Practice interviewing in professional attire to realistically simulate an interview experience.

DRESS TO IMPRESS

How you choose to visually present yourself makes a lasting impression. Here are some tips to help you dress appropriately for your interview: **Business Professional Attire**

- **Suits**: Wear a conservative pant or skirt suit in a neutral color. Dark blue, gray, brown, black or muted pinstripes are all acceptable.
- Shirts: A white or light-colored button-down shirt with a collar is appropriate. It should always be ironed. Wear a plain white t-shirt underneath light-colored dress shirt.
- **Ties**: Keep it simple, conservative, and complimentary to your suit.
- **Blouses**: Keep it simple. Avoid flashy colors and styles.
- Shoes: Wear brown or black dress shoes; match your belt and shoes. Socks should cover your calf and match your suit color; no white athletic socks. Flats or low heels up to 2 inches are appropriate. If you cannot walk normally in them, do not wear them. Avoid bright colors, sparkles, and prints. Pair with plain tights or stockings, if wearing. Avoid bold patterns and lace on tights.

General Tips

- Avoid excessive jewelry, make-up, cologne, or perfume.
- Make sure you are clean and well-groomed: shoes are polished, fingernails trimmed, conservative nail polish, hair is styled appropriately.
- Instead of a casual purse or backpack, carry a professional bag or portfolio.
- Dress one step above the office culture.
 - Expectations regarding appropriate interview attire can sometimes vary by industry/organization.
 - If you have questions about what is appropriate, talk to a Career Center advisor, or view sample interview outfits on the Career Center website.

Visit the Career Closet today! Located in the Career Center

- The Career Closet is filled with business clothing for students.
- Depending on inventory, students can typically take up to 3 items.
- All clothing items are free of charge and yours to keep!

DAY OF THE INTERVIEW CHECKLIST

- Know how to get to your interview location and arrive 10 minutes early.
- Take a pen, notepad, and other relevant documents (extra resumes, references, letters of recommendation, writing samples, portfolios, etc.).
- Turn off your cell phone and all other electronic devices.
- Your interview starts as soon as you enter the building. While in the waiting room, smile and ask the names of everyone you meet, including the receptionist.
- During the interview you should smile, refer to the interviewer by name, give a firm handshake, and make appropriate eye contact.
- Show your interest and excitement for the job to the interviewer.

INTERVIEW FORMATS

Interviews may be conducted in several different formats.

VIRTUAL/PHONE INTERVIEW- Skype/Zoom

Employers often use these interviewing methods to screen candidates for on-site interviews:

- Prepare just as you would for an on-site interview.
- Be sure you are in a quiet location and will not be interruptedremove animals and people.
- Check your background.
- Make sure your signal is strong.

Virtual

- Dress exactly as you would for an on-site interview.
- Maintain eye contact with the camera, not the screen.

Phone

- Keep your resume close by and take notes.
- Speak directly into the phone.

GROUP INTERVIEW

Employers will interview a group of candidates at the same time in order to get a sense of your leadership potential and style.

- Observe the group dynamics and try to offer valuable input; if you are unsure of what is expected from you, ask for clarification from the interviewer.
- Treat others with respect; avoid overt power conflicts, this will make you look uncooperative and immature.

PANEL INTERVIEW

A panel involves only one interviewee, but multiple interviewers.

- Shake the hand of each interviewer.
- Bring extra copies of your resume.
- When answering a question, begin by looking at the person who asked the question; also make eye contact with the other panel members.
- Thank everyone at the end, send individual thank you notes.

ON-SITE INTERVIEW

The on-site interview occurs at the company's location and is often the final step in the interview process. It is also your final opportunity to evaluate the company and determine if it is the right fit for you. Don't be afraid to ask your contact within the company (this is typically the person who conducted the initial interview) some of the following questions:

- Who will I be meeting with?
- Will there be any other activities scheduled?
- What more can I do to prepare myself for this visit?

DURING THE INTERVIEW

You are being evaluated on two things while interviewing: what you say, and how you say it.

WHAT YOU SAY

The behavioral style interview is one of the most commonly used; it is based on the idea that your past performance predicts your future behavior. Behavioral interview questions are open-ended inquiries that may start out with the following phrases:

- Tell me about a time...
- Describe a situation in which...
- Give me an example...

Interviewers are looking for specific examples from your experience. Your answers can come from work, classroom, personal, and volunteer experiences.

See pages 29-30 for a list of behavioral interview questions as well as common and academic interview questions.

Answering Behavioral Interview Questions

The **STAR (L)** method is a great way to answer most interview questions. It sets up the basics of a story composition.

Situation: Set the scene for your example – provide some brief context.

- **Task:** Describe the specific task you work on in more detail (remember to stay focused on the question).
- Action: Explain what YOU did, what YOUR specific role was, or what step YOU took in the situation.
- **Result:** Share what happened as an outcome of your effort.
- Learned: Describe what concepts you'll apply the next time you are in this situation what did you learn from this experience that is applicable to future work?

Question: Tell me about a time when you faced a challenge as a team leader.

Situation: Last spring, I was a site leader for an alternative spring break trip that traveled to the Calcasieu Parish in Louisiana to learn about the root causes of homelessness in the area and actively work on a Habitat for Humanity site.

- Task: Each day for a week, we were to live in a cabin on a campground, cook for ourselves, and use van transportation with our advisor to travel to the Habitat for Humanity site. When we arrived, we learned that we would not be needed on the Habitat site for full days. Our team of student participants were investing their own money and spring break time into this trip to learn about this important social justice issue, so I needed to figure out an alternate plan.
- Action: I worked with our team advisor to identify food pantries in the area and reached out to a few of them. We served with a food pantry site in the afternoons after leaving the Habitat site.

- **Result:** We were able to serve the community as volunteers in two different ways and this expanded our knowledge of how poverty and homelessness was being addressed in this community.
- Learned: When planning for a trip like this, it is a good idea to confirm contacts and the itinerary before departures by emailing and/or calling the contact you will be working with. I also learned how to be an adaptable group leader and to maximize potential opportunities.

ASKING QUESTIONS

Toward the end of the interview, you will be asked if you have any questions. Do your research on the company; demonstrate interest and initiative by having questions prepared. They should be things you genuinely want to know about the company. Do not simply ask something generic for the sake of asking. If you have questions regarding what you ought to ask the employer:

See pages 31-32 for a list of questions you can ask.

HOW YOU SAY IT

It is important to keep your body language open and positive while interviewing. Here are some tips to keep in mind:

- Use a firm handshake.
- Remember to have direct eye contact.
- Keep your facial expressions relaxed.
- Stand tall and sit tall.
- Pay attention and nod attentively.
- Remember to smile.

Be sure to

- Listen intently to the interviewer and ask questions.
- Use gestures to emphasize main ideas or key words.
- Take a brief pause before you respond to each question.
- Use a positive tone of voice, and speak at a volume that all can hear, yet not too loudly.

Be sure not to

- Fold your arms across your chest.
- Fidget or play with objects on the table.
- Chew gum or eat/drink.
- Dwell on mishaps or negative experiences.
- Inquire about salary and benefits, unless introduced.
- Share negative stories about your previous employment.

AFTER THE INTERVIEW

FOLLOW-UP WITH A THANK YOU Interviewers expect it! Use the most appropriate method from the following:

- Thank you letter: You can either type the thank you letter or handwrite a thank you note. Send in the thank you note within 1-2 business days of your interview
- Email: If your correspondence with the employer before the interview has been via email, then it is acceptable to follow-up with a thank you note via email within 1-2 days of your interview

THANK YOU LETTER EXAMPLE

April 29, 202x

Susan E Wabash Senior Human Resources Manager Acme, Inc. 555 Laramie Drive Kansas City, MO 64444

Dear Ms. Wabash,

Thank you for the opportunity to interview for the accountant position at Acme, Inc yesterday. I truly enjoyed meeting with you and John Duncan and learning more about Acme, its current activities and upcoming projects. The potential opportunity to work with a company that places such a strong priority on innovation, employee satisfaction and productivity is very exciting to me.

As we discussed, I am confident that my quality academic training at Kansas State University and my hands-on experience working in the accounting department at JKL Apparel Company last summer qualify me for the position. In addition, my extensive knowledge of computer systems would be especially valuable as an accountant with Acme.

I look forward to hearing from you soon. In the meantime, please do not hesitate to contact me at (785) 555-1234 if I can provide additional information or answer any questions.

Sincerely,

Melanie S. Lindman 1234 State Street Manhattan, KS 66502 (785) 555-1234

INTERVIEW QUESTIONS

COMMON INTERVIEW QUESTIONS

- Tell me a little bit about yourself.
- What are your greatest strengths? Weaknesses?
- How would you describe your best day?
- What challenges do you think you will face working remotely? How will you manage them?
- What do you think determines an individual's success in a work situation?
- Do you consider yourself a leader or a follower? Why?
- Do you prefer working with others or by yourself? Why?
- How do you work under pressure?
- Why do you want to work remote?
- Why are you interested in this organization? What about this job do you find the most attractive? Least attractive?
- What are your short-term goals? Long-range plans?
- How do you schedule your day working remote?
- What major problem(s) have you faced in the workplace?
- How long would it take for you to make big contributions?
- What do you consider to be your most significant accomplishment? Why?
- Tell me about an accomplishment you are most proud of and why.
- What will be the most difficult aspect of making the transition from college to your career? Why?
- Are you willing to relocate? To travel?
- What would your references say about you?
- Why should we hire you?

BEHAVIORAL INTERVIEW QUESTIONS

- Describe how you organize your workday and week.
- Give an example of your leadership experience.
- Give an example of a time when you were able to communicate with another person or group, even though they may not have liked what you were saying.
- What does it mean to have a commitment to diversity, equity, inclusion and belonging?
- How do you measure success? Give an example.
- Give examples of some of decisions that you have had to make rapidly and those that took more time.

- Describe a major project in which you needed help. What did you do? Why did you ask particular people to help?
- Describe a situation where you had to adapt to an initially uncomfortable environment.
- Tell me about a time when you had a personality conflict or disagreement with a co-worker. How did it resolve?
- Tell me about a time when you had to manage multiple projects simultaneously.
- Describe a situation in which you were able to use persuasion to successfully convince someone to see things your way.
- Describe a time when you were faced with a stressful situation that demonstrated your coping skills.
- Give a specific example of when you used good judgment and logic in solving a problem.
- Give an example of a time when you set a goal and were able to meet or achieve it.
- Tell me about a time when you had to use your presentation skills to influence someone's opinion.
- Give a specific example of a time when you had to conform to a policy with which you did not agree.
- Tell about your experiences working with diverse populations.
- Describe the most significant technical report or presentation you have completed.
- Tell me about a time when you had to go above and beyond the call of duty in order to get a job done.
- Tell me about a time when you had too many things to do and you were required to prioritize your tasks.
- Give an example of a time when you had to make a split-second decision.
- What is your typical way of dealing with conflict? Give an example.
- Tell me about a difficult decision you made this last year.
- Give an example of a time when something you tried to accomplish failed.
- Give an example of when you showed initiative and took the lead.
- Tell me about a recent situation in which you had to deal with a very upset customer or co-worker.
- Give an example of when you motivated others.
- Tell me about a project that you delegated effectively.
- Tell me how you handled an ethical dilemma.

ACADEMIC INTERVIEW QUESTIONS

- Tell us about your dissertation/research.
- How does your research relate or compare to what has been written already? How did you contribute to the field?
- What was the most difficult challenge you faced with your research?
- What methods do you use to engage students in the classroom?
- What are your future research plans? What resources do you need to conduct that research?
- What is your most important publication? Do you have plans for others? Why don't you have any publications?
- Tell us about your teaching experience.
- What's your teaching philosophy?
- What about teaching has been challenging? Enjoyable?
- How would you teach a survey course in your field?
- What special seminars could you offer?
- Having not taught a large lecture course, how would you?
- What would be your favorite course to teach?
- Tell us about your service activities.
- What contribution can you make to the department?
- Why are you interested in this school?
- Why should we hire you?

QUESTIONS YOU CAN ASK

- What specific skills or personal characteristics do you believe are important for successful performance in this position?
- What are the things you like most/least about working here?
- What qualifications are most important to a person's advancement within your company?
- What type(s) of training programs will be made available to me as a new employee?
- What do you consider to be the biggest challenge(s) I would face if I am hired?
- What would a typical day be like?
- How often will my performance be evaluated?
- Why are you looking to fill this position? Is it a newly created position?
- Can I let you know why I want this job?
- How do you typically make a decision?

- What has been your career path in the organization?
- What will be the measurements for my success in this position?
- What business problems keep you awake at night?
- What would you consider to be exceptional performance from someone in the first 90 days in this position?
- What is your vision for your department over the next two to three years?
- What are your organizational values?
- When can I expect to hear from you on your decision?
- How would you describe your organizational culture?

IMPROPER/ILLEGAL QUESTIONS

Improper interview questions are those that do not pertain to the nature of the job or to the applicant's ability to perform that job, or those which are not asked of every candidate. They are illegal when the information is used in a discriminatory manner to make a hiring decision. Federal, state, and sometimes even local laws exist which prohibit employment discrimination based on race, religion, national origin, sex, citizenship, and disabilities. The following are examples of some of the specific areas that employers cannot ask or inquire about during an interview:

- Race: Any question related to complexion, color of skin, or other inquiries directly or indirectly indicating race or color
- Religion: Any question related to religion or religious preferences or affiliations
- National Origin/Citizenship: Questions related to your nationality, lineage, ancestry, national origin, birthplace, descent or parentage
- Sex: Questions about pregnancy, sexual orientation or gender identity
- Disabilities: General inquiries about disabilities or health conditions that do not relate to job performance
- Arrest Record: Employers cannot ask you if you have ever been arrested but they can ask you if you have ever been convicted of a crime that is reasonably related to the performance of the job
- Family Obligations: Questions regarding marital status, family plans, children, elder care

Unfortunately, there are no easy answers to improper and illegal interview questions. Should you be asked a question on one of the above topics, you may tell the employer that you are uncomfortable answering because it may reveal your membership in a protected group. If you prefer a less direct approach, you might instead try one of the following strategies: answer in brief and move on to a new topic area or ignore the question altogether and redirect the discussion to a new topic area.

If you've encountered questions from an employer that fall into these categories, we encourage you to share your concerns with the Career Center.

For a more extensive overview of prohibited employment practices, visit the Equal Employment Opportunity Commission website. <u>https://www.k-state.edu/oie/civillaws.html</u>

ADDITIONAL RESOURCES

ADDITIONAL EXAMPLES

Check out our online version of the guide, which includes additional examples.

https://www.k-

state.edu/careercenter/students/apply_interview/resumesandcvs/w
ritearesume.html

PROFILE STATEMENT/PERSONAL STATEMENT/TEACHING STATEMENT https://www.k-state.edu/careercenter/students/connect/gradstudents/

SALARY NEGOTIATION

<u>https://www.k-</u> <u>state.edu/careercenter/students/connect/salaryinformation/salaryjoboffer</u> <u>snegotiation.html</u>

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