

# Fouzia L

Email: [a@ksu.edu](mailto:a@ksu.edu)

Phone: (785) 341- cell  
(785) 770- home

Permanent address

West 29<sup>th</sup> street  
Lawrence, KS 66047

## OBJECTIVE:

To work in a creative and collaborative environment where my *Statistical analytic, mathematical and engineering skills* will contribute to the overall goal of the organization.

## SUMMARY:

- Fair experience in database statistics, analysis, statistical research, system study, programming and documentation. Knowledge of statistical and data analysis applications: SAS and SPSS. Proficiency in data manipulation applications: Excel. Excellent reports and publication preparation skills, using MS Power Point.
- Experience in programming with JAVA, C, Database and FORTRAN.
- Good interpersonal skills; capable of handling multiple tasks and priorities; self-motivated; displays initiative. Ability to understand and quickly apply new technologies and information.
- Detail oriented, organized, enthusiastic to work in a fast paced and team oriented environment
- Speak fluently French.

## EDUCATION:

- MS in Statistics, expected May 2004, Kansas State University, Manhattan, KS, 66502  
*Thesis: Writing a Manual of Instructions to help KSU students using graphs with SAS.*
- MS in Mathematics, August 2001, Kansas State University, Manhattan, KS, 66502
- MS in Mechanical Engineering, October 1994, University of Sciences and Technology of Lille I, Lille, France.  
*Thesis: Study of Mechanical behavior and damage of tubular structure in Aluminum alloys for use in body structure of cars and planes when crashed.*

## EXPERIENCE:

- **08/01/2001 – Present Teaching Assistant in Statistics department.** ([www.ksu.edu/stats](http://www.ksu.edu/stats))  
Currently teach Business and Economics Statistics. Taught Elementary Statistics for Social Sciences  
Lecture, write, administer, hold help sessions and grade quizzes, exams, homework and projects.
- **08/98-08/2001 Teaching Assistant in Mathematics department.** ([www.math.ksu.edu](http://www.math.ksu.edu))  
Taught College algebra, calculus I, II, III. LECTURED administer and grade quizzes and exams.
- **10/95-12/97 Software Technology Intern, Royal Air Morocco, Casablanca Airport** ([www.ram.ma](http://www.ram.ma))  
Maintained hardware and software of the company, helped design implement and administer a local network of 20 computers. Wrote several procedures of plane maintenance for the Aviation Federation Administration in the technical and planes maintenance department. Analyzed data flow and business requirements to automate several document-management processes in the maintenance of planes. Wrote functional specification for the maintenance process. Designed and implemented database solution to manage planes, departure time, arrival time, destination, location of the plane, .etc. The Application produced variety of reports and statistic information. Overall it improved the quality of maintenance on 15%. Performed variety of small web-publishing projects, including corporate home pages, data management forms and reports. Technology used: MS Access, SQL Server, Java. Presented results in charts, tables and other visual aids using MS Excel.
- **09/93-09/94 Graduate Teaching Assistant, Mechanical Engineering Department, University of Valenciennes, France.**  
Assisted in supervising laboratory sessions of Matrix theory, Aerodynamics, Elasticity and plasticity courses.
- **01/26/04- Present Consultant in Statistics department**  
Helping students from Agronomy department analyzing their data. Performing standard statistical analysis and helping presenting their results in tables or graphs.

## REFERENCE:

Upon request

# Curriculum vitae

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**Current address:**

Kerr drive  
Manhattan, KS 66502  
Home :( 785) 770-  
Cell: (785) 341-  
[a@ksu.edu](mailto:a@ksu.edu)

**Permanent address:**

West 29<sup>th</sup> street  
Lawrence, KS 66047

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**Objective:** To build my career in the statistical field where I can utilize and enhance my analytical skills and my engineering background.

**Education:** **M.S. in Statistics** expected December 2003, **Kansas State University (KSU)**, Manhattan, KS.  
Thesis: A manual of instructions to help KSU students do graphs using SAS.  
Relevant courses: Categorical Data Analysis, Design of Experiments, Stochastic Processes I & II, Theory of Statistics I & II, Linear Models I & II, Messy Data, Multivariate Analysis, Nonparametric Statistics, Sensory Analysis, Bioassay.

**M.S. in Mathematics**, August 2001, **Kansas State University**, Manhattan, KS.  
Relevant courses include : Introduction to Real Analysis, Introduction to Functions of Several Variables, Ordinary Differential Equations, Dynamic Modeling Processes, Numerical Solution of Differential Equations I & II, Complex Analysis I & II, Differential Equations I & II, Numerical Analysis I & II.

**M.S. in Mechanical Engineering**, September 1994, **University of Sciences and technology of Lille I, France**.  
Thesis: Study of Mechanical behavior and damage of tubular structure in Aluminum alloys for use in body structure of cars and planes when crashed.

**Employment:** **08/00-present, Graduate Teaching Assistant, Department of Statistics, Kansas State University.**  
Currently teach Business and Economic Statistics, taught Elements of Statistics and Elementary Statistics for the Social Sciences; held office hours and assist students having difficulty with class material; write, administer and grade exams, quizzes, projects and homework.

**08/98-8/01, Graduate Teaching Assistant, Department of Mathematics, Kansas State University.**  
Taught College Algebra, Calculus I, II, and III; wrote and graded tests, quizzes and homework.

**10/95-12/97: Software Technology Intern, Royal Air Morocco, Casablanca Airport.**  
Maintained hardware and software of the company, helped design, implement and administer a local network, (20 computers), wrote several procedures of plane maintenance for the Aviation Federation Administration in the technical and planes Maintenance Department.

**09/93-09/94, Graduate Teaching Assistant, Mechanical Engineering Department, University of Valenciennes, France**  
Assisted in supervising laboratory sessions of Matrix theory, Aerodynamics, Elasticity and Plasticity courses

**Computer skills:** SAS; Splus; UNIX; Java, C and FORTRAN languages; Microsoft MS office: Word, Excel and PowerPoint.

**Other activities:** Volunteer Educator, American Peace Corps, Rabat, Morocco.  
Volunteer in the International Center Office of KSU, gave campus tours to new prospective students, intramural sports, helped in the annual agronomical conference, tutor in the Athletics Learning Center.

**Language:** Fluently spoken, written and read: French

**References:** Jeffrey S. Ponctius  
Associate professor  
003 Dickens hall,  
Manhattan, KS 66506  
(785) 532-0526  
[ponctius@ksu.edu](mailto:ponctius@ksu.edu)

Dallas E. Johnson, PhD  
Professor  
205 Dickens hall,  
Manhattan, KS 66506  
(785) 532-0510  
[dejohsn@ksu.edu](mailto:dejohsn@ksu.edu)

Poggi-Corradini, Pietro, PhD  
Associate Professor  
Cardwell 236,  
Manhattan, KS 66506  
(785) 532-0569  
[Pietro@math.ksu.edu](mailto:Pietro@math.ksu.edu)

Li, Lige, PhD  
Professor  
Cardwell 109,  
Manhattan, KS 66506  
(785) 532-0572  
[ligeli@math.ksu.edu](mailto:ligeli@math.ksu.edu)

Dr Nancy, Bolsen, PhD  
Director of Adult Student Service  
101 Holton Hall,  
Manhattan, KS 66506  
785-532-6434  
[old@ksu.edu](mailto:old@ksu.edu)