

# Linlin Fan

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## Summary

- Diverse experience includes data analysis, scheduling, optimization, art design. Proficient in prioritizing and completing tasks in a timely manner. Able to adapt to new situations.

## Skills

- SAS/Base, SAS/SQL, SAS/IML, R, IBM SPSS Modeler, SQL, Arena, AMPL, Minitab, Microsoft Office

## Education Background

### Lehigh University, Bethlehem, PA

- M.S. Statistics, May 2015 GPA: 3.6/4
- M.Eng. Industrial and Systems Engineering, May 2013 GPA: 3.71/4
- Awards and Honors
  - Academic Scholarship, 2014
  - SAS Base Certified Programmer, 2013

## Professional Activity

### Philadelphia SAS User Group Winter 2014 Meeting, Mar. 2014

- Poster Presentation with topic "When Functional Regression meets SAS/IML".
- Studied the relationship between a scalar response and a functional covariate.

## Related Experience

### Functional Principal Components Analysis (FPCA) Project-Lehigh University Sep. 2013-Dec. 2013

- Reconstructed functional data via FPCA to make prediction through using SAS/IML.

### Structural Bioinformatics Project-Lehigh University Sep. 2013-Dec. 2013

- Tested the hypothesis that Electrostatic Focusing enhances the interactions between protein and RNA.
- Used SAS to study the relationship between degree of electrostatic focusing and intersection.

### Data Mining Project-Lehigh University Mar. 2012-Apr. 2012

- Developed a model using SPSS Modeler to predict the category of a network access attempt for an Internet Security Department.

### Simulation Project-Lehigh University Mar. 2012-Apr. 2012

- Analyzed Rocksoft City Hospital's operations and processes system.
- Used Arena to recommend improvements in scheduling of staff, surgeries, and diagnostics to optimize service.

### Simulation Project-Lehigh University Jan. 2012-Mar. 2012

- Evaluated America Mining Services' existing production plan.
- Used Arena to determine the optimal number of trucks in the mining process.

## Internship Experience

### Market Probe, Customer Satisfaction Research Department, Beijing, China Jun. 2012-Aug.2012

- Conducted customer satisfaction research for SUNING (Electrical Appliance Shops) and BOWEI (Aviation Facilities Company).
- Assisted in data collection using questionnaires, and analyzed data using IBM SPSS Modeler.
- Completed project reports.