Fangfei (Fei) Lan

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EDUCATION

American University (AU), Washington, DC
December 2017
Bachelor of Science, Mathematics with a second major in Computational Science
Minor: Dance
GPA: 3.88/4.0; *Score (placement) on Virginia Tech Regional Mathematics Contest:* 11 (top 150/740)
Honors: Dean's List (Spring 2015 - Fall 2017)

SKILLS

Programming Languages: **Proficient**: Python (numpy), HTML & CSS (Bootstrap), MySQL **Basic**: Python (django), JavaScript, Latex, Java, R, Git
Computer Software: Microsoft Excel, Word and Powerpoint, Weka (machine learning software), BI, Inkscape
Languages: Mandarin (native), English (fluent)

OBJECTIVE

I want to gain experience in an entry level position, collaborate with others to work on software development projects in various production systems.

RESEARCH EXPERIENCE

Acoustics Simulation Research, **AU Department of Mathematics**, Washington, DC   May 2017-present
- Conduct research under the guidance of Dr. Michael Robinson on a sonar project funded by the US Navy
- Design and build software simulation for simple acoustics instruments in python with NumPy, SciPy, Matplotlib and its various other packages
- Presented research results at the February Fourier Talks and the Robyn Rafferty Mathias conference

SAMSI Statistics Workshop, **SAMSI**, NC State University, NC   May 2016
- Participated in a project of seven students under the guidance of two postdocs from Duke University
- Performed analysis and built a variety of statistical models in R (linear, Poisson, quasi-Poison, Bayesian)
- Presented results to a panel of postdocs and professors

WORK EXPERIENCE

Green Connections Media, Washington, DC
Software Developer   February 2018-present
- Build a website front-end with HTML and CSS
- Build python django web services to connect front-end and back-end
- Construct a relational database schema and build the database in MySQL

AU Kogod School of Business, Washington, DC
Data Analyst   February 2018-July 2018
- Coordinate with staff members from various departments to gather and organize decentralized data.
- Use the university's BI system to collect and analyze student and faculty data for submission to university ranking agencies.

AU Department *of* Mathematics, Washington, DC
Mathematics and Statistics tutor   August 2015-December 2017
- Tutored students from finite mathematics, precalculus to calculus II and basic statistics
- Assisted students with homework problems and exam preparation