

# Yingping Lu

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## Summary

Data science master candidate with strong analytical skills in addition to a background in applied mathematics and computer science; A quick learner, a problem solver and self-motivated; Actively seeking a summer internship 2019 in data science.

## Education

|   |                           |   |
|---|---------------------------|---|
| University of Rochester, NY                 | M.S. Data Science         | Aug 2018 - Dec 2019   |
| University of Illinois Urbana-Champaign, IL |                           | Jan 2016 - Dec 2017   |
| B.S. Mathematics                            | Minor in Computer Science | GPA: 3.61/4.00 Dean's List (Fall 2017)                            |
| University of Iowa, Iowa City, IA           |                           | Aug 2013 - Dec 2015   |
| B.S. Mathematics                            | B.A. Computer Science     | GPA: 3.67/4.00 Dean's List (Fall 2014, Spring 2015 and Fall 2015) |

## Relevant Coursework and Technical Skills

Data Mining, Neural Network, Natural Language Processing, Probability and Statistics, Data Management, Abstract Algebra; Python (4 yrs), Java (1 yr), MATLAB, MySQL, SAS, Tableau, Google Analytics and Excel;

## Work Experience

**Research Assistant**, Seismology and Computational Research Group, University of Rochester Sep 2018 – Present

- Exploring phase detection and polarization analysis of low magnitude seismicity in western Africa
- Conducting earthquake waveform database search using unsupervised machine learning and deep learning methods

**Data Analyst**, Department of Data Operation, Inspur CSG Group Mar - Jun 2018

- Built API and web scrapping scripts with Python that repeatedly extract information from websites
- Performed data wrangling and visualization on the correlation of school distribution and local economy
- Generated analysis report to help guide government decisions on education and the construction of public facilities

**Netmath Grader and Assistant**, Department of Mathematics, UIUC Jun - Aug 2016

- Graded high level math/statistics coursework for summer session on a web-based interface with Mathematica
- Collaborated with a team of faculty at weekly meeting and provided students with one-on-one tutoring

## Rewards

**NSF-NRT research traineeship**, Goergen institute of Data Science, University of Rochester Sep 2018 - Present

- Elected to graduate training program in data-enabled research in human behavior and its cognitive and neural mechanism

## Research and Projects

**Statistical Data Management**, UIUC Summer 2016

- Applied data wrangling techniques using SAS to conduct an analysis on world gender inequality in employment

**Data Structures**, University of Iowa Fall 2015

- Worked as team to design, develop and perform a simulation of forest fire spread using Java.

## Volunteer Activities

**Member of Department of Career Development**, Chinese Students and Scholars Association, UIUC Aug 2016 - Dec 2017

- Arranged job interview for over 20 companies including Walmart and Johnson Controls on International Career Forum

**Volunteer**, International Volunteer HQ (IVHQ), Costa Rica Dec 2014 - Jan 2015

- Looked after children in orphanages 4 hours daily by teaching basic English and organizing games and activities

## Language Proficiencies

Chinese, Fluent; English, Fluent; Korean, Conversational