

# JESSE WU

in [linkedin.com/in/jesse-wu-5033a5147](https://www.linkedin.com/in/jesse-wu-5033a5147)

📍 School : College Park, MD 20740 🏠 Home : Smithtown, NY 11787  
✉️ [jwu12347@terpmail.umd.edu](mailto:jwu12347@terpmail.umd.edu) ☎️ (408)-614-9246

## 🎓 Education

**University of Maryland at College Park**, COLLEGE OF COMPUTER, MATHEMATICAL AND NATURAL SCIENCES  
Bachelor of Science in Computer Science (expected May 2020)

- Relevant Courses : Introduction to Data Science, Algorithms, Discrete Structures, Organization of Computer Languages, Introduction to Computer Systems, Applied Probability and Statistics, Linear Algebra
- Future Courses : Introduction to Machine Learning, Data Structures

## 📁 Experience

JUNE 2018–  
JULY 2018 | **XiaoMi**, SOFTWARE ENGINEER/DATA ANALYST INTERN, Beijing, China.  
Part of the Big Data portion of the Artificial Intelligence agile group that provided solutions and analysis used by Xiao AI developers

- Created automated daily data retrieval service from HTTP servers utilizing vanilla Python and formatting using HTML.
- Designed and built a pipeline using Flask that delivers HTML formatted "bad query" data pulled from Apache Hadoop clusters via Hive. (Later reconfigured to run on XiaoMi's cloud computing platform.)

Python Scrum Atom Git Flask HTTP HTML

MAY 2017–  
AUG. 2017 | **Fannie Mae**, SOFTWARE DEVELOPER INTERN, Herndon, VA.  
Part of the REO-VS(Real Estate Owned - Valuation System) agile team that helped maintain and develop features for their property evaluation application

- Improved overall efficiency by eliminating redundant code and solving several known issues regarding improper I/O stream exception handling.
- Improved overall test coverage of web controllers by over 30% through white-box testing utilizing Mockito and Spring frameworks.

Java Eclipse Scrum Git Maven Spring Mockito mySQL

## 📁 Projects

### Audio Waveform Visualizer

Application that reads .wav files and generates a waveform in sync with audio playback

- Reads audio .wav file into raw data. Creates accurate waveform by transforming data from stereo to mono.
- Plots and formats data to accurately depict an audio waveform. Timed playback to be in sync with music.

### Personal Website

Animated webpage using HTML, CSS and JavaScript (<https://jesse-wu20.github.io/>)

- Utilized anime.js and typed.js to create logo
- Wrote Chinese letters stroke by stroke using SVG to accurately depict writing sequence
- Created separate version for mobile devices

## 📁 Technical Skills

LANGUAGES : JAVA, C, Ruby, HTML, CSS, JavaScript, Python, OCaml, Rust, SQL,  $\LaTeX$ , JSON

PROGRAMS/TOOLS : Eclipse, Visual Studio, Terminal, Atom, TeXstudio, Bitbucket(Git), Microsoft Office

## 📁 Activities

MAY 2018–  
PRESENT | **Fundraising Chair**, KOREAN STUDENT ASSOCIATION, College Park, MD.  
Elected executive board of approximately 200 member social organization aimed at promoting culture and community building.

- Obtained concession fundraising contract worth around \$6000 within first month of being elected.
- Conceived and drafted contract with the Taiwanese Student Association to collaborate on concessions.