

# Michelle Lin | themichellexlin@gmail.com | michellexlin.com

## EDUCATION

### **B.S. Computer Science**

University of Washington – Seattle, WA

Expected Graduation: June 2021

GPA: 3.77

## WORK EXPERIENCE

### **Engineering Analyst** | Goldman Sachs Group Inc. | July 2020 – August 2020

- Worked on the development of internal tools for financial analysts at Goldman Sachs.
- Created a fully functional webpage used to save form data using React.js
- Wrote APIs to retrieve previously entered data from the webpage using Java SpringBoot.
- Webpage added to internal finance management tool that will be deployed in summer 2021.

### **Technology Development Program Intern** | AT&T Corporation | June 2020, August 2020 – September 2020

- Worked on the automated network testing team, which maintains a webapp to test the functionality of cellular networks.
- Created and documented a proof of concept for containerizing a MEAN.js web application using Docker and Kubernetes.
- The team will use my proof of concept as a framework to continue the process of containerization with Docker and Kubernetes.

### **Research Assistant** | ICTD Lab, Paul G. Allen School of Computer Science and Engineering | January 2019 – August 2019

- The ICTD (Information for Communication Technology and Development) Lab is a research lab that provides communication technology to people in rural and developing areas.
- Cleaned, analyzed, and visualized data collected from the cellular network deployed in Bokondini, Indonesia using Python's pickling library, Pandas, and Altair VegaLite.
- Trained a Markov model to for fraud predictions on the transactions over the network deployed in Bokondini.
- Data visualization & analysis used for a lab paper.

### **Software Engineering Intern** | Microsoft | June 2018 – September 2018

- Worked on the Office Core Experience team, the organization that owns the developer tools and build system that empowers software engineers in Office to build an excellent product.
- In TypeScript React, implemented a prototype of a performance manager for Office Add-ins. The feature helped users see how each add-in they are using is affecting their system performance, and helped developers know when to optimize as so not to take up too many system resources.
- Successfully presented to a team of experienced senior software engineers and program managers at Microsoft.

## SELECTED PROGRAMMING EXPERIENCE

### **UMessage** | CSE 332 | October 2019

- Built a program that uses predictive typing in messaging, based on previous texts and imported data.
- Written in Java, using data structures such as AVLTrees, ChainingHashTables, HashTrieMaps, and MinHeaps.
- Parsed large imported data sets as previous texts and utilized Markov models for predictive texting.
- Next step in the project is to reimplement it with Android Studio for easier access.