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

EDUCATION

B.S. Computer Science with Data Science Focus
University of Washington – Seattle, WA
Expected Graduation: June 2021
GPA: 3.77

WORK EXPERIENCE

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

TScribe | SWEHacks | May 2019

- Built an Android App that transcribes phone calls into text messages.
- Written in Java, used Android Studio to implement GUI.
- Used sockets in Java to connect two clients on a server and allow them to message each other.
- Next step in the project is to test various edge cases and with several different users.

CampusMaps | CSE 331 | January 2019

- Built an Android App that finds the best path through the UW campus.
- Written in Java, used Android Studio to implement GUI with drag and drop capabilities.
- Parsed large data sets of campus paths and buildings and utilized the model-view-controller design pattern.
- Next step in the project is to implement a zoom feature on the map.