**Wei Lin**

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**EDUCATION**

University of Washington, Seattle, WA, U.S. June 2019

Master in Computer Science

3.6 GPA

University of Washington, Seattle, WA, U.S. March 2018

BS in Computer Engineering

3.7 GPA

Related courses:

Cloud Computing, Web Programming, Database Management, Operating System,

System Programming, Data Abstraction, Distributed System, Machine Learning For Big Data

**EXPERIENCE**

Software Engineer I, Amazon Mobile, Amazon, Seattle— November. 2019 – Present

Encapsulated the underlying Android platform to provide React Native API for other Amazon.com mobile feature developers

Amazon AWS Intern, Amazon, Seattle— July. 2018 - Sept. 2018

Designed and created a push notification service for an AWS iOS app.

Utilized AWS Pinpoint to store user ids and send customized individual/group notifications.

Amazon Summer Intern, Amazon, Seattle — June. 2017- Sept. 2017

Designed and created a service to autogenerate a daily accuracy report for the forecast of the number of packages going into a specific warehouse in Amazon network.

Stored the data in AWS S3 buckets and AWS SWF to aggregate data and compute accuracy result.

Teaching Assistant, UW CSE, Seattle, WA— Sept. 2016 - Dec. 2016

Taught Discrete Mathematics to a section of 25 - 30 students

Answered students’ questions, proctored exams, and graded tests and assignments

Research Assistant, Sampa Lab, Seattle, WA— June. 2016 - Sept. 2016

Designed research methods and created scripts to find similarities between viruses and malwares

Assisted to write final report for the research project

**PROJECTS**

BusWaker, Personal Project

An iOS App that sends notifications to users whenever they are present in a specified bus stop.

The idea came from me wanting to fall asleep on the bus ride and yet not miss my stop.

Distributed System With Paxos, Class Project

Implemented Paxos, a distributed concensus algorithm, to handle multiple user request

Increased stability and efficiency with sharding and partitioning

Filesystem Indexer & Http Web-server, Class Project

A search engine that simulates Google which compressed thousands of files and websites on the server

Allowed the user to search the key words in a web interface. Sent back the results through TCP-IP protocol and displayed links to the files or websites that contain the input key words.

Binary LDA, Research Project

Dumped out the assembly code for various viruses and malware

Used LDA, a natural language processing algorithm, to create feature vectors. Grouped the feature vectors with KMEAN, a clustering algorithm

**SKILLS**

**Programming Languages**

Java, C++, C, Python, Swift, SQL, JavaScript

**Other Technical Knowledge**

MySQL, git, Azure, Amazon Web Services, MVC

**Natively Fluent**

Mandarin Chinese, Cantonese, Taiwanese