Andrew Wei
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Education

University of Washington — **Seattle, WA** — 2017 - present
Paul G. Allen School of Computer Science & Engineering — GPA: 3.79

- **MS** in **Computer Science & Engineering** to be completed in **Dec 2020**
- **BS** in **Computer Engineering** completed June 2019, graduated **Cum Laude**

Edmonds Community College — **Lynnwood, WA** — 2015 - 2017

- **AS** in **Computer Engineering** and **Mechanical Engineering** completed June 2017 — GPA: 3.99

Experience

Teaching Assistant — **Seattle, WA** — 3/2018 - present

- Helped teach PMP **Machine Learning** (***NumPy***, ***Python***), **Intro to Data Science** (***Python***, ***Pandas***), **Databases** (***SQL***, ***Spark***, ***Azure***[***SQL Server***], ***Datalog***), and **Statistics for CS**
- Held office hours, kaggle competitions, fixed scripts/assignments, and taught sections (~15-25 students)

Letron Entertainment Tech, Intern — **Kaohsiung, Taiwan** — 7/2019 - 9/2019

- Letron monitors network/website health and reports errors to clients in Southeast Asia
- Implemented a rtt monitoring agent for rtmp on ***Alpine Linux*** using ***Kafka***, ***Zookeeper***, and ***Docker*** and integrated it on the ***Elastic stack*** (***Elasticsearch***, ***Logstash***, ***Kibana***)
- Created an API to utilize networking tools using ***Flask*** and ***Python***

Skills

Programming	**Python**, 1yr; **Java**, 3yrs; **C**, 1yr; **C++**, 1yr; **JavaScript**, 3mo; **C#**, 3mo
Domain Specific	**SQLite**, 1yr; **SQL Server**, 1yr; **Datalog**, 1yr; **SQL++**, 1yr; **HTML**, 6mo; **CSS**, 6mo
Hardware Description	**SystemVerilog/Verilog**, 1yr
Foreign	**American Sign Language**, basic; **Chinese**, conversational
Tech	**git**, **Linux**, **FPGAs**, **Docker**, **NumPy**, **SolidWorks**, **Markdown**, **soldering**

Relevant Coursework

Machine/Deep Learning, Distributed/Embedded/Operating Systems, Algorithms, Computer Vision, Computer Architecture, Data Structures, Databases, VR Capstone

Projects

Paxos Visualization - ***JavaScript***, ***d3***, ***HTML***, ***CSS***

- Designing a visualization for Paxos, a distributed consensus algorithm
- Creating a framework for animating nodes, sending/receiving messages, and timers

VR Capstone: ChatAssist - ***Unity***, ***C#***, ***Amazon Transcribe***, ***MagicLeap***

- an Augmented Reality app on the MagicLeap that transcribes/translates speech for those who are hard of hearing or not familiar with a language

Activities

Volunteering: Dawg Daze, Engineering Discovery Days, 2018 Summer Special Olympics

Hackathons — 2017 - 2018

Dubhacks (2018): Alert system for stolen packages (***Python***)
HackMIT (2018): Disaster relief app for reporting missing people (***Java***, ***SQLServer***)
nwHacks (2017): Fruit ripeness app (***Java***, ***Android***)
Dubhacks (2017): Fitbit for wheel-chair users (***Java***, ***Android***)

Achievements

Dubhacks 2017 Accessible Design Winner — 2017
President's Volunteer Service Award - Gold — 2016