Andrew Wei

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Education

University of Washington	**Seattle, WA**	2017 - present

Paul G. Allen School of Computer Science & Engineering — GPA: 3.93

- **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**	2016 - 2017

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

Experience

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

- Helped teach **Distributed Systems**, **Machine Learning** (*NumPy*, *Python*), **Data Science** (*Python*, *Pandas*), **Databases** (*SQL*, *Spark*, *Datalog*), and **Statistics for CS**
- Held office hours, fixed scripts/assignments, helped students reason about code, and taught sections

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/C++**, 1yr; **JavaScript**, 3mo; **C#**, 3mo; **Rust**, 1mo
Domain Specific	**SQL**, 1yr; **Datalog**, 1yr; **SQL++**, 1yr; **HTML/CSS**, 6mo
Hardware Description	**SystemVerilog/Verilog**, 1yr
Foreign	**American Sign Language**, basic; **Chinese**, conversational
Tech	**git**, **Linux**, **FPGAs**, **Docker**, **NumPy**, **PyTorch**, **SolidWorks**

Relevant Coursework

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

Projects (nowei.github.io/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*

- 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: Engineering Discovery Days, 2018 Summer Special Olympics, miscellaneous events

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