

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, Cum Laude		
Edmonds Community College	Lynnwood, WA	2014 - 2017
- AS in Computer Engineering and Mechanical Engineering		GPA: 3.99

Skills

Programming - *Java*, 3yrs; *Python*, 1yr; *C*, 1yr; *C++*, 1yr; *JavaScript*, 3mo; *C#*, 3mo
Domain Specific - *SQLite*, 1yr; *SQL Server*, 1yr; *DataLog*, 1yr; *SQL++*, 1yr; *HTML*, 6mo
Hardware Description - *SystemVerilog/Verilog*, 1yr
Foreign - *American Sign Language*, basic; *Chinese*, conversational
Not Languages - *git*, *Ubuntu Linux (WSL)*, *FPGA*, *Docker*, *SolidWorks*, *soldering*

Relevant Coursework

Machine 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/translate speech for those who are hard of hearing or not familiar with a language

Experience

Teaching Assistant	Seattle, WA	3/2018 - present
- Helped teach Statistics for CS, Databases (<i>SQL</i> , <i>Spark</i> , <i>Azure[SQL Server]</i> , <i>DataLog</i>), Intro to Data Science (<i>Python</i> , <i>Pandas</i>), and PMP Machine Learning (<i>Python</i>)		
- Held office hours, fixed scripts/assignments, and taught sections (~15-25 students)		
Letron Entertainment Tech, Intern	Kaohsiung, Taiwan	7/2019 - 9/2019
- Letron monitors networks/websites and reports errors to clients in south-east Asia		
- Implemented a rtt monitoring agent for rtmp on <i>Alpine Linux</i> using <i>Kafka</i> , <i>Zookeeper</i> , and <i>Docker</i> and integrated it on the <i>Elastic stack (ELK)</i>		
- Created an API to utilize networking tools using <i>Flask</i> and <i>Python</i>		

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