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 Pre-Engineering   GPA: 3.99

Skills

Programming Languages - Java, Python, C, C++, JavaScript (d3), C#
Domain Specific Languages - SQLite, SQL Server, Datalog, SQL++, HTML
Hardware Description Languages - SystemVerilog, Verilog
Foreign Languages - American Sign Language, basic; Chinese, conversational
Not Languages - git, Linux (WSL), Azure (SQL Database), Docker, Spark, Unity (MagicLeap development), SolidWorks, soldering, Tableau

Relevant Coursework

CS - Machine Learning, Distributed Systems, Algorithms, Computer Vision, Computer Architecture, Data Structures, Databases, Data Visualization, Operating Systems, Embedded Systems, Computer Graphics
Capstones
  - VR: ChatAssist - an AR app built with Unity on the MagicLeap that used Amazon Transcribe to transcribe/translate speech for those who are hard of hearing or not familiar with a language
Not CS - Linear Algebra, Multivariable Calculus

Projects/Things I'm working on

Paxos Visualization
  - Designing a visualization for Paxos, a distributed consensus algorithm
  - Teaching myself how to animate using JavaScript, HTML, and CSS
  - Creating a framework for visualizing nodes, sending and receiving messages, and timers using JavaScript and d3
Learning CUDA
  - Teaching myself CUDA from online resources

Experience

Letron Entertainment Tech - Intern   Kaohsiung, Taiwan   6/2019 - 9/2019
  - Implemented a rtt monitoring agent for rtmp using Kafka, Zookeeper, and Docker and integrated it on the Elastic stack (ELK)
  - Made a Telegram alert bot that connects to servers in different regions that monitors/reports on potential networking errors to clients
  - Created an API to utilize networking tools using Flask and Python

Undergraduate TA   **Seattle, WA**   3/2018 - present
  - Assisted in teaching undergraduate classes on Probability and
    Statistics for CS, Databases, and Intro to Data Science
  - Held office hours, fixed scripts, and taught sections (~15-25 students)
Vertically Integrated Project   **Seattle, WA**   9/2017 - 12/2017
  - Worked on a project with AccessMap.io to improve user feedback
Achievement4Edmonds Math Tutor   **Lynnwood, WA**   Sum 2013 - 2015
  - Tutored children from low-income families who were struggling in
    mathematics from the Edmonds School District for 3 summers

Activities

Dawg Daze Leader Volunteer   2018, 2019
Summer Special Olympics Volunteer   2018
Engineering Discovery Days Volunteer   2017, 2018
HuskyADAPT Member   2017 - present
Hackathons   2017 - present
  - **Dubhacks** (2018): Alert system for stolen packages
  - **HackMIT** (2018): Disaster relief app for reporting missing people
  - **nwHacks** (2017): Fruit ripeness app
  - **Dubhacks** (2017): Fitbit for wheel-chair users
Edmonds Demonstration Garden Volunteer   2013 - present

Achievements

John Wisniewski Endowed Scholarship   2018
Annual Dean's List   2017 - 2019
Dubhacks 2017 Accessible Design Winner   2017
President's Volunteer Service Award - Gold   2016
Edmonds Rotary Club Youth Merit Award   2016