Andrew Wei
Grad Student

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Programming Languages
- Python, 2yr
- Java, 4yr
- C/C++, 1yr
- C#, 3mo
- JavaScript, 3mo
- TypeScript, 3mo

Hardware Description Lang.
- System Verilog, 1yr
- Verilog, 3mo

Technology/Frameworks
git, SQL, Docker, Android Studio, NumPy, PyTorch, Pandas, React Redux, Unity, Matplotlib, Datalog, Elasticsearch, Logstash, Kibana, Flask, Kafka, Zookeeper, Selenium, BeautifulSoup4, Spark, SolidWorks, HTML/CSS, d3

Hardware
FPGA, soldering

Operating Systems
Windows, Linux, MacOS

Human Languages
English - Proficient
Chinese - Basic
ASL   - Basic

Interests
- Distributed Systems
- Deep/Machine Learning
- Data Science
- Algorithms
- Accessible Technology

Hobbies
Food, volunteering, reading, writing, learning, teaching

Goal
Looking for a job in Distributed Systems or Data Science

Education

University of Washington, Seattle — 2017 – 2021
MS in **Computer Science & Engineering** – 3.92 GPA — 06/2021
BS in **Computer Engineering** – Cum Laude, Dean's List — 06/2019

Edmonds Community College – Running Start — 2015 – 2017
AS in **Computer Engineering**
AS in **Mechanical Engineering**

Experience

Paul G. Allen School of Computer Science & Engineering
Seattle, WA — 03/2018 – present
Teaching Assistant

- Led sections of ~20 students, hosted office hours, and graded for Distributed Systems, Machine Learning, Statistics for CS, Databases, and Intro Data Science classes
- 4.6/5.0 average section rating

Amazon
Seattle, WA — 06/2020 – 09/2020
SDE Intern – *Improved Search Experience*

- Made improvements and added features to a promotions management tool using TypeScript and React Redux
- Investigated search latency issues, fix lowered latency from ~45s to ~2s and reduced search payload size by 4-10000x

Letron Entertainment Tech
Kaohsiung, Taiwan — 06/2019 – 09/2019
Intern – *Website health monitoring*

- Implemented monitoring agent for RTMP using Kafka, Zookeeper, Docker, Elasticsearch, Logstash, and Kibana
- Created an API to remotely access networking tools using Flask

Projects

VR Capstone: ChatAssist – Unity, C#, Amazon Transcribe
An Augmented Reality app on the MagicLeap that transcribes and translates speech in real time for those who are hard of hearing or new to a language

Stockbot – Selenium, BeautifulSoup4, PyTorch
Created a Twitter scraper to scrape 2m+ tweets related to companies over the last 10 years, which were used in a sentiment analysis model paired with historical stock prices for stock price prediction

Bathroom Fall Detection – Android Studio, SMS, BluetoothLE
An Android app that notifies contacts of a fall via SMS, detecting falls using accelerometer data with detection sent over Bluetooth

Awards

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