Andrew Wei

Grad Student | Seattle, WA

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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   3.79 GPA | 06/2019

Edmonds Community College – Running Start   2015 – 2017
AS in **Computer Engineering** and **Mechanical Engineering**   3.99 GPA | 06/2017

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*

- Improved and added features to a promotions management tool using TypeScript + ReactRedux
- Investigated search latency issues, designed and implemented a solution that lowered search 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 an RTMP monitoring agent using Kafka, Zookeeper, Docker, Elasticsearch, Logstash, and Kibana
- Created an API to remotely access networking tools using Flask

Skills

Programming	**Python**, 2yr; **Java**, 4yr; **C/C++**, 1yr; **C#**, 3mo; **JavaScript**, 3mo; **TypeScript**, 3mo; **Rust**, 1mo
Domain Specific	**SQL**, 2yr; **Datalog**, 1yr; **SQL++**, 1yr; **HTML**, 6mo; **CSS**, 6mo
Hardware Description	**SystemVerilog/Verilog**, 1yr
Foreign	**American Sign Language**, basic; **Chinese**, basic
Technologies/Frameworks	git, Docker, Android Studio, NumPy, PyTorch, Pandas, React Redux, Unity, Matplotlib, Elasticsearch, Logstash, Kibana, Flask, Kafka, FPGAs, Spark, Zookeeper, Selenium, BeautifulSoup4, SolidWorks, d3, soldering

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