

Andrew Wei

Grad Student

📍 Seattle, WA

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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, PyTorch, Pandas, React Redux, Unity, Datalog, Elasticsearch, Logstash, Kibana, Flask, Kafka, Zookeeper, Selenium, BeautifulSoup4, Spark, SolidWorks, HTML/CSS, d3, Kubernetes, AWS

Hardware

FPGA, soldering

Operating Systems

Windows, Linux, MacOS

Human Languages

English - Proficient
Chinese - Basic
ASL - Basic

Interests

- Distributed Systems
- Deep/Machine Learning
- Algorithms
- Accessible Technology

Hobbies

Food, volunteering, reading, writing, learning, teaching

Goal

Looking for an entry-level Software Engineering job to build things and become a better developer

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 ~30 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
- Service Mesh Overhead Measurement** - Kubernetes, Istio
Investigated performance, network, and memory overhead of service meshes on different microservice architectures by using metrics from Prometheus and network packet inspection locally and on AWS EKS

Awards

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