Andrew Wei Software Engineer

♥ Seattle, WA

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Programming Languages

- Python, Java - Rust, C/C++ 1уг - Go, Javascript 6то - C#, TypeScript

Hardware Description Lang.

- System Verilog

1уг

- Verilog

3mo

Technologies/Frameworks

MySQL, SQL++, PostgreSQL, BigQuery, Spark, Datalog, PyTorch, Pandas, AWS, Unity, CUDA, Elasticsearch, Logstash, Kibana, Flask, Kafka, Zookeeper, Selenium, BeautifulSoup4, HTML/CSS, Android Studio, Protobufs, DataDog, GitLab CI

VC & Deployment Tools git, Docker, Kubernetes

Hardware

FPGA, soldering

Operating Systems Windows, Linux, MacOS

Other Languages

English - Proficient Chinese - Basic ASL - Basic

Interests

- Distributed Systems
- Deep/Machine Learning
- Algorithms
- Tech for Good

Hobbies

food, volunteering, reading, learning, teaching

Experience 🚀

OctoML - △ Cloud Engineering

Seattle, WA

🤓 Senior Software Engineer - Model Hosting Service 📤 04/2023 - present

- Helped set up local dev environment for microservice-ish architecture with Tilt

- Collaborated with others to design, write, and ship Go and Python code
- Debug things that Go wrong because we are moving f a s t 🔀
- Worked with auth and billing service providers and integrated those services into the platform
- 🙏 Software Engineer Model Acceleration Service 🚁 📁 10/2021 - 04/2023
- Collaborated with others to design, write, and ship Rust, Python, Protobufs, SQL, and YAML to support features and tools for internal use/analysis
- Wrote code to integrate, test, and internally validate different machine learning models and frameworks
- Wrote documentation for tutorials and new features

Microsoft - Office of the Chief Economist

Seattle, WA

🎤 Research Intern - Data Eng. for Xbox Fin. & Mktg 🞮 06/2021 - 09/2021

- Develop SSIS data pipeline to crosswalk Xbox Game Pass product usage, cost, and revenue data coming from different teams
- Integrating SQL Server data and PowerAutomate flows in a PowerApp dashboard to assist in evaluating title performance
- w Paul G. Allen School of Computer Science & Engineering Seattle, WA

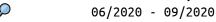
03/2018 - 06/2021

- Led sections of ~30 students, teaching ideas and concepts within Distributed Systems, Machine Learning (for Big Data), Statistics for CS, Databases, and Intro to Data Science courses
- 4.6/5.0 average section rating

a Amazon - Amazon Devices

Seattle, WA

👔 SDE Intern - Improved Search Experience 🔎



- Improved and added features to a promotions management tool using Java, 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

Education



w 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

Awards 😾



Bob Bandes Teaching Award	2021
Dubhacks 2017 - Accessible Design Winner	2017
President's Volunteer Service Award - Gold	2016