Andrew Wei
Software Engineer

📍 Seattle, WA

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Programming Languages

— Python, Java	5yr
— Rust, C/C++	1yr
— Go, Javascript	6mo
— C#, TypeScript	3mo

Hardware Description Lang.

— System Verilog	1yr
— 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, Tilt, GitHub Actions

VC & Deployment Tools
git, Docker, Kubernetes

Hardware
FPGAs, soldering

Operating Systems
Linux, MacOS, Windows

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, *Platform/Cloud* ☁   **Seattle, WA**

😎 **Senior Software Engineer** ⚠ *Model Hosting Service*   04/2023 - present

- Helped set up local dev environments for services with <u>Tilt</u>; Improved dev QoL by making local env builds faster for faster iteration

- Write and review <u>Go</u>/<u>Python</u> code and <u>Kubernetes</u> configs for services; Discuss product requirements to clarify intent to design, propose, and implement product features/services; Debug things that <u>Go</u> wrong

- Worked with auth, billing, and telemetry service providers and integrated those services into the platform

🙏 **Software Engineer** ✅ *Model Acceleration Service*   10/2021 - 04/2023

- Designed, wrote, reviewed, and shipped <u>Rust</u>, <u>Python</u>, <u>Protobufs</u>, <u>SQL</u>, and <u>Kubernetes</u> configs for internal use and cost analysis

- Wrote code to integrate, test, and internally validate the tuning results of 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 <u>SSIS</u> data pipeline to crosswalk Xbox Game Pass product usage, cost, and revenue data coming from multiple teams

- Integrating <u>SQL Server</u> data and <u>PowerAutomate</u> flows in a <u>PowerApp</u> dashboard to assist in evaluating game title performance

🅆 **Paul G. Allen School of Computer Science & Engineering**   **Seattle, WA**

💻 **Graduate Teaching Assistant** 🎲   03/2018 - 06/2021

- Led sections of ~25 students and held office hours, teaching ideas and concepts in Distributed Systems, Machine Learning (for Big Data), Databases, Statistics for CS, and Intro to Data Science courses

- 4.6/5.0 average section rating

Amazon, *Amazon Devices*   **Seattle, WA**

🧗 **SDE Intern** 🔍 *Improved Search Experience*   06/2020 - 09/2020

- Improved and added features to a promotions management tool using <u>Java</u>, <u>TypeScript</u> and <u>React Redux</u>

- Investigated search latency issues, the fix lowered latency from ~45s to ~2s by reducing search payload size by 4-10000x

LeTron Entertainment Tech   **Kaohsiung, Taiwan**

💼 **Intern** 🌐 *Website Health Monitoring*   06/2019 - 09/2019

- Implemented a monitoring agent for RTMP using <u>Kafka</u>, <u>Zookeeper</u>, <u>Docker</u>, <u>Elasticsearch</u>, <u>Logstash</u>, and <u>Kibana</u>

- Created APIs to remotely access networking tools using <u>Flask</u>

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

Awards 🏆

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