Andrew Wei
Software Engineer

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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
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, *Platform/Cloud* ☁ — **Seattle, WA**
😎 **Senior Software Engineer** ⛰ *Model Hosting Service* — 04/2023 - present
- — Helped set up local dev environments for services with Tilt; Improved dev QoL by making local env builds faster for faster iteration
- — Write and review Go, Python, and Kubernetes configs for platform services; Debug things that Go wrong, propose and implement fixes
- — Worked with auth, billing, and telemetry 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

Paul G. Allen School of Computer Science & Engineering — **Seattle, WA**
💻 **Graduate Teaching Assistant** 🎲 — 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

Amazon, *Amazon Devices* — **Seattle, WA**
🧑‍🚀 **SDE Intern** 🔍 *Improved Search Experience* — 06/2020 - 09/2020
- — Improved and added features to a promotions management tool using Java, TypeScript and React Redux
- — 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 Kafka, Zookeeper, Docker, Elasticsearch, Logstash, and Kibana
- — Created APIs to remotely access networking tools using Flask

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