Andrew Wei
Software Engineer

📍 Seattle, WA
✉ a.nowei42@gmail.com
☎ 206-850-7878
in linkedin.com/in/nowei
github.com/nowei

Programming Languages

[7yr] Python
[5yr] Java
[1yr] Rust, C/C++, Go,
      JavaScript/TypeScript
[3mo] C#
[1mo] Kotlin

Hardware Description Lang.

[1yr] System Verilog
[3mo] Verilog

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,
OpenAPI, 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 new things,
teaching, going to the gym

Experience 🚀

Sunrun — *AI&ML Team* 🔧   **Seattle, WA**
Staff Software Engineer 📋   01/2024 — present
— Working with stakeholders to scope and execute on high-impact projects to build out internal platforms/tools that result in **millions of dollars of savings per year** through time saved
— Managed team resources like permissions, onboarding docs, and service quota requests
— Helped troubleshoot/guide team members to resolutions when they ran into issues with AWS; CloudFormation; various distributed, microservice interactions
— Worked on a lot of 0->1 work and refactored existing services to make them easier to run, test, and debug – making it easier to reproduce and fix errors encountered in production

OctoML — *Platform/Cloud* ☁   **Seattle, WA**
Sr. Software Engineer ⛰ *Model Hosting Service*   04/2023 — 01/2024
— Set up local dev environments for services with Tilt; Improved dev QoL by making local env builds faster for faster iteration
— Wrote and reviewed Go/Python code and Kubernetes configs for services; Discussed product requirements to inform the design and implementation of new product features and services; Fix things that Go wrong
— Integrated third-party auth, billing, and telemetry service providers into the platform

Software Engineer ✅ *Model Acceleration Service*   10/2021 — 04/2023
— Wrote and reviewed code for the platform using Rust, Python, Protobufs, SQL, and Kubernetes
— Wrote code to integrate, test, and validate the tuning results of different machine learning models and frameworks
— Wrote documentation for tutorials and new features

Paul G. Allen School of Computer Science & Eng.   **Seattle, WA**
💻 **Graduate Teaching Assistant** 🎲   03/2018 — 06/2021
— Led sections of ~25 students and held office hours for courses like Distributed Systems, Machine Learning (for Big Data), Databases, Statistics for CS, and Data Science
— 4.6/5.0 average section rating

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