Andrew Wei Software Engineer

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

Experience 🚀

Sunrun — *AI&ML Team* ⛏ **Seattle, WA**

Staff Software Engineer 📋 01/2024 – present

- Working with business and technology stakeholders to scope out work for and execute on high-impact, 0->1 projects to build out internal platforms/tools/automations to increase efficiency

- Mentored team members, providing guidance to troubleshoot and resolve issues related to deployments; builds; and various distributed, microservice interactions

- Developed inventory management software to generate and manage the bill of materials for solar installations, reducing incorrect assignments and truck rolls for installations

- Promoted more maintainable, reliable, and sustainable development practices to make it easier to reproduce and fix bugs

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

Programming Languages

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

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

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