

Andrew Wei

Software Engineer

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

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

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

-  **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, fix lowered latency from ~45s to ~2s and reduced search payload size by 4-10000x

- LeTron Entertainment Tech** **Kaohsiung, Taiwan**
-  **Intern - Website Health Monitoring**  **06/2019 - 09/2019**
- Implemented monitoring agent for RTMP using Kafka, Zookeeper, Docker, Elasticsearch, Logstash, and Kibana
 - Created an API 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**