

# Andrew Wei

## Software Engineer

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### Experience

- » **Sunrun** - AI&ML - Automation 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

<b>University of Washington, Seattle</b>	2017 – 2021
<b>MS in Computer Science &amp; Engineering</b> - 3.92 GPA	06/2021
<b>BS in Computer Engineering</b> - 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

## **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