

Aoran(Gary) Feng

<https://www.linkedin.com/in/aoran-feng-b18743271/>

Email : garyvon7@uw.edu

Mobile : +1 206-731-9255

EDUCATION AND SKILLS

University of Washington

Master of Science in Electrical and Computer Engineering GPA: 3.9/4.0

Seattle, WA

Sep. 2023 - Sep. 2025

Chongqing University of Technology

Bachelor of Engineering in Computer Science GPA: 3.6/4.0

Chongqing, China

Sep. 2019 - Jun. 2023

Languages: Java, Python, C/C++/C#, SQL, Kotlin, Golang, JavaScript, HTML/CSS, Lisp

Frameworks: Vue.js, Node.js, React, Spring Boot, .NET, AWS Cloud, MyBatis, Django, MongoDB, Android Jetpack

Tools: MySQL, Docker, Kubernetes, CI/CD, Redis, Git, AWS, Maven, Tomcat, Kafka, Ajax, CMake, Jenkins, UE

EXPERIENCE

Software Engineer Intern

Jan 2024 - Present

Genmab

Seattle, WA

- Participated in the optimization of Genmab's digital delivery model, contributing to a 35% increase in project delivery speed by transitioning to a scalable, responsive **Product-Oriented Design(POD)** approach.
- Streamlined **Agile** project management by utilizing **Jira**, leading to a 20% improvement in project tracking accuracy. Enhanced team collaboration and code quality through effective use of **Git** for version control, reducing code integration issues by 15%.
- Integrated **AWS** services including **EC2** for scalable computing capacity, **S3** for efficient data storage, and Lambda for serverless computing, achieving a 30% reduction in server response times and enhancing data capabilities.
- Leveraged **Python's pandas** and **matplotlib** for data analysis and visualization, facilitating data-driven decision-making. Addressed critical performance bottlenecks, resulting in a 10% increase in project success rate.

Software Research Assistant

Apr 2021 - Aug 2021

Chongqing University of Technology

Chongqing, China

- Led a **full-stack** fabric defect detection project using **Java Spring Boot** and **Swagger UI**, incorporating Computer Vision algorithms optimized in **Halcon**, boosting manufacturing efficiency by 35%.
- Developed and deployed the application on a robust AWS infrastructure (**EC2**, **RDS**, **S3**), achieving scalable performance and a 50% increase in data handling capacity.
- Enhanced system reliability and operational transparency with an **ELK Stack (Elasticsearch, Logstash, Kibana)** for efficient monitoring and logging, reducing troubleshooting time by 40%.
- Implemented a **TensorFlow-based** keyboard key recognition algorithm and **OCR** library, improving production line accuracy by 20% and minimizing defects.

Undergraduate Teaching Assistant

Sep 2021 – June 2023

Chongqing University of Technology

Chongqing, China

- Mentored **300+** students in programming courses, enhanced learning outcomes and education strategies.
- Spearheaded the development of a **React** and **Node.js** full-stack system, enhancing data handling and UI responsiveness, while integrating **MongoDB** to reduce administrative workload by 20%.

PROJECTS

Online Shop with Distributed Microservices | Java, Spring Boot, Mybatis, vue.js, docker, node.js, maven

- Architected a distributed system based on microservices, leveraging **Java Spring Cloud** for service registration, discovery, and remote invocation. Enhanced system scalability and maintainability.
- Designed the front-end using **Vue.js**, ensuring a responsive and seamless user interface. Collaborated closely with the back-end team to create a fully integrated, efficient end-to-end solution.
- Automated microservices management using **Docker** and **Kubernetes**, resulting in a key boost in development and release efficiency.
- Optimized backend processes with **Spring Cloud Gateway**, **MyBatis Plus**, and **Nacos**, coupled with **RabbitMQ** and **Redis**, boosting transaction speeds by 20% and achieving 99.9% system uptime.

Trash Classification Web App | Python, Tornado, Deep Learning, MySQL

- Enhanced image classification precision by 10% with a **MobileNet V2** model, setting a new benchmark for accuracy in related projects.
- Developed a full-stack web application back-end using **Tornado** and **Tensorflow** in **Python**, creating **RESTful APIs** that supported **CRUD** operations and streamlined user interactions.
- Utilized **HTML**, **CSS** and **JavaScript** to create user-friendly front-end views that display images and update real-time classification results.