

# Yunding Wu

Dublin, California | (213) 204-0375 | [yunding\\_wu@outlook.com](mailto:yunding_wu@outlook.com) | [linkedin.com/yundingwu/](https://www.linkedin.com/yundingwu/)

## Work Experience

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### Veeva Systems

2024/01 – Present

Software Engineer

Pleasanton, California

- Developed and maintained Vault CRM, a B2B SaaS platform, contributing to the strategic transition from Salesforce to Veeva's proprietary Vault platform.
- Engineered full-stack features using **Java** for backend services and **React** with **Redux** for frontend, delivering robust and scalable enterprise solutions.
- Implemented comprehensive testing strategies using **JUnit** with **Mockito** for backend and **Jest** with **React Testing Library** for frontend, ensuring 90%+ code coverage and high reliability.
- Collaborated with the design system team to create and optimize reusable UI components, improving design consistency and reducing development time across the organization.
- Strengthened front-end infrastructure by implementing common **JavaScript** utilities and patterns, streamlining development processes and enhancing code maintainability for multiple teams.

## Internships

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### Stealth AI Startup

2023/10 – 2023/12

Full-stack Engineer

Remote, USA

- Bootstrapped the product's backend infrastructure using **Java Spring Boot**, deploying the application on **Azure** as a **Docker** container with **Redis** and **PostgreSQL** integration with a fully automated CI/CD pipeline.
- Developed APIs for CRUD operations, including user auth integrated with a **Next.js** frontend using **TypeScript**.
- Created an **Azure Serverless Function** in **Go** for video file processing with FFmpeg and integration with OpenAI APIs for enhanced AI-driven features.

### Amazon

2023/06 – 2023/09

Software Development Engineer Intern

Shanghai, China

- Developed frontend UIs using **React** and **TypeScript**, as part of a project to redesign a system for shipment tracking.
- Created a backend path using **Kotlin** to allow users to access both the new and old versions for effective A/B testing.
- Pioneered the design and implementation of the UI package, leveraging **Webpack** for bundling, a **micro-frontend** strategy for integration, and a dedicated **CDN** for efficient hosting, while harnessing user behavior for informed adjustments.

### XGIMI

2019/07 – 2019/08

Big Data Developer Intern

Chengdu, China

- Devised data cleansing rules to process a vast media library containing items from China's leading streaming services based on business requirements and built a tool to automate the cleansing process with **Java** and **Spark**.
- Enhanced the recommender system algorithm of the team by constructing and evaluating demos that integrated a distributed system utilizing the **Spark ML** library and **Hadoop**.

## Education

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### University of Southern California

2022/01 – 2023/12

M.S. in Computer Science, GPA 3.8/4.0

Los Angeles, California

### University of California, San Diego

2017/09 – 2021/03

B.S. in Mathematics-Computer Science, Major GPA 3.8/4.0

La Jolla, California

## Projects

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### TikTok Backend

2023/01 – 2023/02

- Led an 8-member team in the development of the mockup backend for TikTok during an official **ByteDance** event.
- Utilized **Golang** and **Hertz** to implement user management and interactions as **RESTful** APIs secured by **JWT** tokens.
- Crafted the data manipulation system using **GORM**, integrating a dockerized **MySQL** server for efficient storage.

### Weenix OS

2022/10 – 2022/12

- Developed a Unix-like OS **kernel** in **C language**: process and thread, virtual file system, virtual memory, etc.