

# Yunding Wu

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## Work Experience

### Veeva Systems

2025/4 - Present

Software Engineer II

Pleasanton, California

- Lead full-stack development for Vault CRM, a cloud-native B2B SaaS platform, building frontend solutions with **TypeScript**, **React**, and **Redux** and developing **Java** backend services and **RESTful APIs** for enterprise customers.
- Lead technical design through code reviews, design reviews, and detailed documentation authoring for complex projects and cross-team initiatives.
- Own the complete design system architecture, developing all UI components from UX designs and driving design consistency across the platform.
- Built comprehensive testing infrastructure using **Jest** and **React Testing Library** for frontend and **JUnit** with **Mockito** for backend services, achieving 90%+ code coverage for enterprise deployments.
- Proposed and spearheaded organization-wide JavaScript to TypeScript migration, presenting the technical strategy and leveraging deep TS expertise to modernize the frontend codebase and maintain type-safe shared libraries.
- Serve as a Frontend Experts panel member, providing technical oversight for code quality, best practices, and modern architecture standards while developing reusable frontend infrastructure and patterns across multiple distributed teams.
- Researched and implemented AG Grid migration organization-wide, delivering significant performance improvements for data grid components through technical evaluation and stakeholder coordination.

## Internships

### Stealth AI Startup

2023/10 – 2023/12

Software 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

### 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

- **Insider Cash**: Built AI-powered financial monitoring system with comprehensive **Docker** containerization, implementing multi-stage builds for **React/TypeScript/Tailwind CSS** frontend and **FastAPI** backend applications, orchestrating microservices with **Docker Compose** and **PostgreSQL**, and designing production-ready deployment infrastructure with health checks, volume management, and multi-environment configurations.