

# Yunding Wu

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## Work Experience

<b>Veeva Systems</b>	2024/1 - Present
Software Engineer II	Pleasanton, California
<ul style="list-style-type: none"><li>• Lead full-stack development for Vault CRM, a cloud-native B2B SaaS platform, building frontend solutions with <b>TypeScript</b>, <b>React</b>, and <b>Redux</b> and developing <b>Java</b> backend services and <b>RESTful APIs</b> for enterprise customers.</li><li>• Lead technical design through code reviews, design reviews, and detailed documentation authoring for complex projects and cross-team initiatives.</li><li>• Own the complete design system architecture, developing all UI components from UX designs and driving design consistency across the platform.</li><li>• Built comprehensive testing infrastructure using <b>Jest</b> and <b>React Testing Library</b> for frontend and <b>JUnit</b> with <b>Mockito</b> for backend services, achieving 90%+ code coverage for enterprise deployments.</li><li>• 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.</li><li>• 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.</li><li>• Researched and implemented AG Grid migration organization-wide, delivering significant performance improvements for data grid components through technical evaluation and stakeholder coordination.</li></ul>	

## Internships

<b>Stealth AI Startup</b>	2023/10 – 2023/12
Software Engineer	Remote, USA
<ul style="list-style-type: none"><li>• Bootstrapped the product’s backend infrastructure using <b>Java Spring Boot</b>, deploying the application on <b>Azure</b> as a <b>Docker</b> container with <b>Redis</b> and <b>PostgreSQL</b> integration with a fully automated CI/CD pipeline.</li><li>• Developed APIs for CRUD operations, including user auth integrated with a <b>Next.js</b> frontend using <b>TypeScript</b>.</li><li>• Created an <b>Azure Serverless Function</b> in <b>Go</b> for video file processing with FFmpeg and integration with OpenAI APIs for enhanced AI-driven features.</li></ul>	

<b>Amazon</b>	2023/06 – 2023/09
Software Development Engineer Intern	Shanghai, China
<ul style="list-style-type: none"><li>• Developed frontend UIs using <b>React</b> and <b>TypeScript</b>, as part of a project to redesign a system for shipment tracking.</li><li>• Created a backend path using <b>Kotlin</b> to allow users to access both the new and old versions for effective A/B testing.</li><li>• Pioneered the design and implementation of the UI package, leveraging <b>Webpack</b> for bundling, a <b>micro-frontend</b> strategy for integration, and a dedicated <b>CDN</b> for efficient hosting, while harnessing user behavior for informed adjustments.</li></ul>	

<b>XGIMI</b>	2019/07 – 2019/08
Big Data Developer Intern	Chengdu, China
<ul style="list-style-type: none"><li>• 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 <b>Java</b> and <b>Spark</b>.</li><li>• Enhanced the recommender system algorithm of the team by constructing and evaluating demos that integrated a distributed system utilizing the <b>Spark ML</b> library and <b>Hadoop</b>.</li></ul>	

## Education

<b>University of Southern California</b>	2022/01 – 2023/12
M.S. in Computer Science, GPA 3.8/4.0	Los Angeles, California
<b>University of California, San Diego</b>	2017/09 – 2021/03
B.S. in Mathematics-Computer Science, Major GPA 3.8/4.0	La Jolla, California

## Projects

<ul style="list-style-type: none"><li>• <b>Insider Cash</b>: Built AI-powered financial monitoring system with comprehensive <b>Docker</b> containerization, implementing multi-stage builds for <b>React/TypeScript/Tailwind CSS</b> frontend and <b>FastAPI</b> backend applications, orchestrating microservices with <b>Docker Compose</b> and <b>PostgreSQL</b>, and designing production-ready deployment infrastructure with health checks, volume management, and multi-environment configurations.</li></ul>	
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