

Kenneth Liu

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EDUCATION

Stanford University <i>Bachelor of Science in Computer Science, GPA: 4.115/4.0</i> Relevant Coursework: Programming Abstractions, Linear Algebra and Multivariable Calculus, Computer Organization and Systems, Introduction to Probability Theory	Stanford, CA June 2029
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WORK EXPERIENCE

Stripe <i>Incoming Software Engineer Intern</i>	Seattle, WA Jun. 2026 – Sep. 2026
Stanford Carta <i>Backend Software Engineer</i>	Stanford, CA Jan. 2026 – Present
<ul style="list-style-type: none">Addressed 7 CVEs and improved request performance by 15% by migrating legacy .NET 6 backend to .NET 8 LTSReduced front-end CI/CD pipeline latency by 44% by switching from legacy create-react-app builds to Rspack	
Stanford Artificial Intelligence Laboratory <i>Undergraduate Researcher</i>	Stanford, CA Jan. 2026 – Present
<ul style="list-style-type: none">Researching the applications of cost-efficient collaboration between on-device and cloud language models in agentic workflows	
LastingLearn, Inc. <i>Software Engineer Intern</i>	Stanford, CA Oct. 2025 – Jan. 2026
<ul style="list-style-type: none">Architected an AI-native SAT prep platform using React and Express.js, integrating LLMs to generate personalized practice problems based on student performance history.Engineered a high-performance leaderboard using Redis Sorted Sets, reducing query latency by 90% compared to standard SQL aggregations and handling 500+ concurrent updates.	
Baker Engineering and Risk Consultants, Inc. <i>Software Engineer Intern</i>	Houston, TX Jun. 2024 – Aug. 2024
<ul style="list-style-type: none">Developed event tree analysis software in C#/.NET WPF with dynamic tree editing, reducing analysis time by 80%	

PROJECTS

Vista <i>Go, Bubble Tea</i>	<ul style="list-style-type: none">Built a Bubble Tea-based TUI in Go to monitor multiple services simultaneously with per-service and interleaved log buffers
BobaFinder <i>Python, LangGraph, LangChain, MongoDB Atlas</i>	<ul style="list-style-type: none">Built multi-agent market entry research system determining the best location for a boba chain restaurantUsed LangGraph Swarm to enable multi-agent collaboration
Decanter <i>JavaScript, React, Typescript, Next.js, Node.js, Supabase, PostgreSQL</i>	<ul style="list-style-type: none">Built volunteer management platform for Science Olympiad tournaments using Next.js and Supabase, implementing Google OAuth authentication, attracting 75+ users in the first monthUsed Vitest to automate unit testing on server functions with 97% code coverage, enhancing codebase resiliency
Remix <i>JavaScript, TypeScript, React, Vite, GitHub Actions</i>	<ul style="list-style-type: none">Developed a React application that resequences Spotify playlists to create smooth transitions based on audio features, reducing average Euclidean distance between audio feature vectors by 58%Integrated Spotify OAuth for secure access to playlists and deployed static site with Github Actions

TECHNICAL SKILLS

Languages: C, C#, C++, CSS, Go, HTML, Java, JavaScript/TypeScript, Python

Tools: Azure DevOps, Git, Linux, VS Code, Visual Studio

Frameworks: Bubble Tea, Express.js, React, .NET, Next.js, Node.js

Databases: SQL, MongoDB, PostgreSQL

HONORS

3x American Invitational Mathematics Examination (AIME) qualifier