

Benjamin Liu

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EDUCATION

University of California, Santa Cruz

B.S. in Computer Science, Minor in Technology and Information Management

Santa Cruz, CA

Aug. 2022 – June 2026

WORK EXPERIENCE

Software Engineering Fellow

Movement Labs

September 2025 – Present

Remote

- Architected and deployed autonomous AI agent systems on Google Cloud Run using Vertex AI and Python, orchestrating multi-step conversational workflows that increased voter conversion rates by 18% during the 2025 election cycle.
- Engineered scalable agentic AI pipelines leveraging Google Cloud Platform (GCP), Vertex AI LLMs, and Cloud Functions to process 1M+ voter interactions
- Implemented production-grade AI agent infrastructure with automated testing, monitoring, and fail-safes using Cloud Logging and Cloud Monitoring, reducing manual intervention by 67% and ensuring compliance with campaign messaging regulations.

Software Engineer Intern & Network Security Engineer Intern

Beyond Computer LLC

June 2025 – September 2025

Petaluma, CA

- Engineered a full-stack solution featuring responsive UI redesign and automated client onboarding workflows (React, Node.js, Microsoft Graph API), driving a 200% increase in client acquisitions.
- Automated device management with PowerShell and Datto RMM API, saving 10+ hours/month and enhancing security compliance.
- Reduced potential data breach impact by 10% through proactive monitoring and rapid incident response, aligning with industry benchmarks for organizations with robust risk-based security practices.

AI/ML Engineer Intern

RWA Inc.

December 2024 – May 2025

Remote

- Developed and deployed an automated investment document summarization tool using OpenAI API and LangChain that processes pitch decks and financial reports into standardized 2-page analyst briefs, reducing initial document review time by 60% and enabling the investment team to evaluate 40% more opportunities per quarter.
- Architected and deployed a real-time KPI analytics dashboard using TypeScript, Node.js, TailwindCSS, and shadcn/ui that aggregated investment performance metrics across 200+ Web3 projects
- Automated 12+ internal Web3 investment workflows using n8n, reducing manual review time by 45% and enabling real-time syncing of investor data across the RWA token launch pipeline.

PROJECTS

AI-Powered Email Response Assistant

June 2025 – July 2025

- Fine-tuned a 4B parameter Gemma model using Unsloth and LoRA techniques on 500+ email-response training pairs, achieving 95% personality consistency across diverse business communication scenarios.
- Engineered a custom training pipeline with JSON-formatted datasets and implemented advanced tokenization strategies, reducing email response drafting time by 73% compared to manual composition.
- Architected a scalable local deployment solution that processes 100+ email responses daily without requiring external API calls, ensuring data privacy and reducing operational costs by \$200+/month compared to cloud-based alternatives.

TECHNICAL SKILLS

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

Frontend: React, Next.js, TailwindCSS, Angular, Vue.js,

Backend: Node.js/Express, Django/Flask, RESTful APIs, GraphQL

Databases: PostgreSQL, MySQL, MongoDB, Firebase Firestore, Redis, SQLite, Microsoft SQL Server

Cloud & DevOps: AWS (EC2, S3, Lambda), GCP, Azure, Docker, Kubernetes, Git, GitHub Actions, CI/CD,