

KYLE ZHE-REN YAP RAMACHANDRAN

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EDUCATION

UNIVERSITY OF CALIFORNIA, BERKELEY

AUG 2023-MAY 2027

Bachelor of Science (B.S.) in Electrical Engineering & Computer Science

- **GPA:** 3.96, College of Engineering **Dean's List** (Spring 2024 & Fall 2024).
- **Coursework:** Computer Architecture & Machine Structures, Computer Security, Efficient Algorithms and Intractable Problems, Operating Systems and System Programming, Optimization Models in Engineering, Data Structures, Discrete Math & Probability.

EXPERIENCE

METAFORE • SAN FRANCISCO, CA

Artificial Intelligence Intern

MAY 2026-PRESENT

- Designed and executed test cases for enterprise AI workflows, evaluating agent outputs across accuracy, grounding, and UX.
- Identified and documented agent failure modes and platform issues, producing reproducible QA reports to triage and prioritize fixes.
- Researched agentic frameworks and evaluation methodologies to inform product improvements for enterprise AI deployments.

GLOBAL AI VILLAGE (GAIV) • KUALA LUMPUR, MALAYSIA

Part-Time Software Engineer (Remote)

JAN 2026-MAY 2026

- Extended production AI agriculture tools by building modular frontend and backend components across development environments.
- Improved deployment reliability by standardizing component structure and maintaining consistent build pipelines.
- Shaped architecture for AI-assisted workflows, including integration patterns for LLM APIs, MQTT event handling, and user data.

Software Development Intern

JUN 2025-AUG 2025

- Engineered full-stack web interfaces to test an AI-powered chatbot assisting ~800 farmers in Malaysia's agriculture sector.
- Implemented admin web tools to review chat history, manage 50+ user profiles, and visualize data via interactive Neo4j graphs.
- Increased user onboarding speed by 50% by building onboarding flows to register chatbot users and integrating MQTT protocols.
- Integrated audio and image transcription into the chatbot using Gemini and OpenAI APIs, enabling multimodal chat interaction.

BLUEPRINT, TECHNOLOGY FOR NONPROFITS • BERKELEY, CA

President

DEC 2025-PRESENT

- Led strategy and operations for a 45+ member organization, overseeing planning, budgeting, and exec board alignment.
- Directed semesterly recruitment cycles reviewing ~200 applications, managing interviews to ensure balanced, fair selection processes.
- Launched Blueprint's chapter expansion to McMaster University, growing the organization's presence across North America.
- Secured sponsorship partnerships and organized a fireside chat with engineers from Ramp, strengthening alumni and industry ties.

Vice President of Technology / Project Lead

JAN 2025-DEC 2025

- Rebuilt club website with Next.js and Tailwind, replacing legacy HTML/CSS/Ruby, improving maintainability and developer speed.
- Led 4-5 developers and 1 designer to deliver a full-stack web app through roadmaps, weekly sprints, demos, and client feedback.
- Sourced 5 nonprofit clients by conducting stakeholder interviews and designing rubrics for project scope, feasibility, and impact.
- Advised project teams on frontend/backend architecture, implementation plans, and GitHub PRs to enhance technical execution.
- Mentored 8 new developers through onboarding, technical coaching, and code reviews, strengthening team code quality.

SUPA • KUALA LUMPUR, MALAYSIA

MAY 2024-AUG 2024

Software Engineering Intern

- Shipped frontend features and backend enhancements for SaaS platforms using React and TypeScript, accelerating release cycles.
- Researched and prototyped custom YOLOv8 computer vision models, evaluating accuracy and feasibility for production integration.
- Authored technical documentation and onboarding guides, reducing ramp-up time for incoming engineers.

SKILLS AND INTERESTS

- **Programming Languages:** Python, Java, JavaScript, TypeScript, C, Rust, Golang, SQL, HTML, CSS
- **Frameworks:** React, React Native, Expo, Next.js, Node.js, Tailwind
- **Infra & Tools:** Supabase, Firebase, AWS, Google Cloud, Docker, MQTT, Neo4j, Nginx, Git, Gemini, OpenAI API, YOLOv8
- **Spoken Languages:** Malay, Mandarin
- **Activities:** President of the Malaysian Student's Association, Computer Science Mentor, Berkeley Project Volunteer
- **Interests:** Taekwondo (3rd-degree black belt), Climbing, Basketball, Kickboxing, MMA, Guitar, Film