

Ivan Fang

(213) 859-5692 | ivanfang@ucla.edu | www.linkedin.com/in/ivan-fang-dev/

EDUCATION

University of California, Los Angeles

Bachelor's of Science in Computer Science

Los Angeles, California

Expected Graduation: May 2029

- **Relevant Coursework:** Programming in C++, Multivariable Calculus, Game Development (Unity)

- **Honors:** Samueli Foundation Engineering Undergraduate Scholarship

Hwa Chong Institution

GCE A-Levels

Singapore, Singapore

Graduated December 2022

- Achieved perfect score (90/90 Rank Points), placing in the top 10% nationwide.

TECHNICAL SKILLS

Languages & Frameworks: Python, C++, TypeScript, JavaScript, Next.js, React.js, Node.js

Databases & Tools: MongoDB, Git, Playwright, Prisma

RELEVANT EXPERIENCE

Archimedes Holdings

Software Engineering Intern

Singapore, Singapore

May 2025 - August 2025

- Boosted online visibility for Cat Paradise Hotel by developing SEO-optimized landing pages using Next.js and Tailwind CSS, contributing to higher organic traffic and user acquisition for the company's hotel service.
- Integrated Playwright end-to-end tests into CI pipelines to automate checks, ensuring application stability.
- Engineered a data synchronization service to integrate Shopify's GraphQL API with Shopee's REST API, automating inventory management across 200+ SKUs and eliminating the need for manual reconciliation.

Singapore Armed Forces

Operations & Security Team Lead

Singapore, Singapore

March 2023 - January 2025

- Led 24/7 Central Monitoring System operations supporting 200+ daily flight operations with full uptime.
- Coordinated security logistics and personnel for the 2024 Shangri-la Dialogue, a high-security international summit with over 500 high-profile attendees, resulting in zero security breaches.

PROJECTS

LionCity Tutors

Founder

Singapore, Singapore

June 2025 - Present

- Built and launched a full-stack tuition-matching platform, handling 100+ matching requests in the first 3 months.
- Developed backend APIs with Express.js and MongoDB to handle tutor registration and parent requests.
- Engineered a Telegram bot to automate profile updates, streamlining communication for 150+ active tutors.

LEADERSHIP EXPERIENCE

Project Zenith

Organizing Committee, Math & Science Lead

Singapore, Singapore

October 2021 - June 2022

- Developed a 6-months curriculum for 29 underprivileged students, improving average scores by 20%.

Taman Jurong Youth Network

Organizing Committee

Singapore, Singapore

March 2022 - June 2022

- Planned and executed bursary event for 200+ attendees with a 10-person committee, joined by a Minister.