

# Ivan Fang

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

## EDUCATION

### University of California, Los Angeles

Los Angeles, California

Bachelor's of Science in Computer Science

Expected Graduation: May 2029

- **Relevant Coursework:** Programming in C++, Multivariable Calculus, Game Development (Unity)
- **Honors:** Samueli Foundation Engineering Undergraduate Scholarship

### Hwa Chong Institution

Singapore, Singapore

GCE A-Levels

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

Singapore, Singapore

Software Engineering Intern

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

Singapore, Singapore

Operations & Security Team Lead

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

Singapore, Singapore

Founder

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

Singapore, Singapore

Organizing Committee, Math & Science Lead

October 2021 - June 2022

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

### Taman Jurong Youth Network

Singapore, Singapore

Organizing Committee

March 2022 - June 2022

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