

EDWARD LIEW

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GLOBAL EDUCATION

Minerva University

Sept 2024 – May 2028

Bachelor of Science, Computer Science

San Francisco

- 3.6% acceptance rate university known for its active and experiential learning, ranking #1 for innovative education
- Studying in 4 cities worldwide to cultivate global perspective and develop real-world problem-solving skills

EXPERIENCE

Software Engineer Intern

May 2025 – Aug 2025

Asia Mobiliti

Malaysia

- Independently designed and developed a full-stack inventory system (**Next.js, MongoDB**) to catalogue and track the issuance and return of **250+** telematic devices and SIM cards across their lifecycle, reducing manual processing time
- Implemented QR scanning for swift product identification and PDF generation, removing manual data entry bottlenecks
- Created and documented **15** modular UI components and a form management framework, reducing code duplication
- Defined workflows, system design and UI structure via **Figma** prototypes, actively collaborating with stakeholders to align on feature requirements, and documented the project's technical details for smooth handoff and future development
- Built a responsive web app leveraging **Mapbox GL** to visualize real-time ride data (ETA, pickup/dropoff, driver info) on an interactive map for a **WhatsApp-based** ride hailing platform, enhancing customer experience with live trip tracking

Computer Science Tutor

Sept 2024 – Dec 2024

Minerva University

San Francisco

- Conducted weekly Python classes, enhancing **40** students' coding proficiency through hands-on Python workbooks
- Emphasized learning on OOP, problem-solving, code readability and commenting, and data structure and algorithms
- Delivered thorough feedback on submitted work to deepen their understanding on core programming concepts

Tech VC Intern

June 2024 – July 2024

Orbit Capital Malaysia

Malaysia

- Evaluated **11** startup pitches to identify successful business models and innovative applications of technology and AI, gaining insights into emerging and disruptive solutions while discussing opportunities for further improvements
- Presented an innovative EdTech startup concept, detailing the value proposition, business model, market analysis and fund allocation, which was commended by the investment committee for its thoroughness and creativity
- Performed financial due diligence and market research, and used various valuation methods to assess startups' viability

Software Developer

Mar 2024 – Apr 2024

42KL Piscine

Malaysia

- Engaged in a SWE bootcamp, solving **74 DSA** challenges in **C** and collaborating with peers via GitHub for code reviews
- Utilized macOS **Unix** CLI for file system navigation and management, Git operations, and shell scripting
- Debugged and optimized code for **50+** people, ensuring adherence to project requirements and providing feedback

PROJECTS AND ACHIEVEMENTS

Notefly - Cal Hacks Winner | *Next.js, Agora, Google Gemini, Zustand, Python, Typescript*

- Reduced irrelevant information by approximately **75%** by leveraging **Fetch.ai agents** for transcription retrieval from MongoDB and Google Gemini to process the data and generate summaries and notes
- Developed a real-time AI summarization web conferencing app within 36 hours in a competition with 1000+ people
- Applied **automated prompt engineering** to algorithmically optimize and contextualize the prompts

ResiTrack | *React, MongoDB, Java, Typescript, Spring Boot, Amazon EC2, Apache HTTP Server*

- Constructed a web application and deployed with **EC2** and **Apache** to allow neighborhood residents to pre-register visitors, improving security and reducing wait times at the guardhouse by streamlining the registration process
- Engineered **RESTful APIs** with CRUD functionality using Spring Boot backend for seamless database access
- Implemented **JWT tokens** for user authentication and configured **SSL encryption** to ensure secure data transfer
- Modeled Java classes as Spring Boot entities to enable effective Object-Relational Mapping with the database

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, Java, C, SQL, HTML, CSS

Technologies: React, React Native, Node.js, Tailwind CSS, MongoDB, Next.js, Spring Boot, Firebase, Amazon EC2