

Chaidhat Chaimongkol

(424) 535-9679 | chaimongkol@ucla.edu | [linkedin.com/in/chaidhat](https://www.linkedin.com/in/chaidhat) | github.com/chaidhat

EDUCATION

University of California, Los Angeles

B.S. in Computer Engineering, Minor in Entrepreneurship
Honors: Dean's List (2x) | Scholarships: Boeing Scholarship (2023-24)

Los Angeles, CA

Expected June 2026

PROFESSIONAL EXPERIENCE

Software Engineering Intern

expand.ai (YC S24)

- Building a web scraper

Jul 2025 – Present

San Francisco, CA

Founder & Lead Software Engineer

Scholarity Co., Ltd. (<https://scholarity.io>)

- Secured contract with a Fortune 500 client and 3 others; \$24,000 annual recurring revenue
- Built and deployed a full-stack E-learning platform (Dart, React, TypeScript, MySQL) with 50,000+ lines of code.
- Optimized backend with concurrency, algorithmic optimizations; reduced API response time by 72x since launch.
- Finalist at Google-backed hackathon; presented at Google LAX Office to business leaders and executives.

Jul 2022 – Present

Bangkok, Thailand

Undergraduate Researcher, Website Lead

Di Carlo Lab

- Created Python-based front-end UI for a robotic digital PCR system, exhibited at SLAS 2025 Biotech Conference.
- Integrated Wi-Fi and Bluetooth connectivity to control Raspberry-Pi based pumps and enable remote diagnostics.
- Programmed React/NextJS website to support seed funding for commercialization of the robotic system.

May 2024 – Present

Los Angeles, CA

Undergraduate Researcher

Yijia Xiao Lab

- Developing Large Language Models (LLMs) using LangChain to analyze financial market trends.
- Working with research team to integrate Model Control Protocol to execute trades autonomously.

Mar 2025 – Present

Los Angeles, CA

Software Engineering Intern

PTG Energy Group

- Engineered Flutter frontend for enterprise tools (fleet management system, work permit system)
- Optimized back-end TypeScript algorithms to load data from MySQL server, observing 3x speed-up
- Coordinated with other interns to create high-impact graphics and marketing material

Jul 2024 – Sep 2024

Bangkok, Thailand

Web Developer

Department of Industrial Works

- Coded full-stack safety checklist app (Flutter, NodeJS, MySQL) as part of \$119,000 contract
- Collaborated with occupational health & safety professionals to ensure data accuracy

Dec 2020 – Mar 2022

Bangkok, Thailand

LEADERSHIP & INVOLVEMENT

Team Lead, Brain-Computer Interface

CruX at UCLA

- Led a team of 20 engineers to conduct study on improving concentration using binaural beats
- Prototyped a ML algorithm and app to process EEG signals; presented at California Neurotech Conference 2024

Sep 2023 - Jun 2024

Los Angeles, CA

Lead Engineer, Command & Data Handling Team

Bruin Spacecraft Group at UCLA

- Headed team of 18 engineers in a startup-like engineering environment; taught and mentored students
- Wrote mission-critical flight software (C, Python, F Prime) and electronics hardware for cube satellite
- Programmed SAMD51s, TI MCUs and other embedded systems; designed and soldered PCBs with reliability

Feb 2023 - Mar 2024

Los Angeles, CA

Lead Engineer, Avionics

Rocket Project at UCLA

- Worked with team of 12 engineers to build avionics, PCBs, and other electronic components for rocket

Sep 2023 - Jan 2024

Los Angeles, CA

Other Projects

- Made programming language and recursive descent parser in C; compiles to x86-64 assembly
- Created Boeing 777-300ER flight simulator in C++; downloaded by 50,000+ people. Received Boeing Scholarship

TECHNICAL SKILLS

Languages: C, C++, C#, Python, Java, HTML, CSS, JavaScript, TypeScript, React, SQL, Dart

Frameworks/Libraries: PyTorch, TensorFlow, NodeJS, NextJS, Flask, MySQL, PostgreSQL, Flutter, LangChain

Developer Tools: Git, Docker, AWS (RDS, S3, EC2), VS Code, Visual Studio, Figma, Linux (Ubuntu)

Relevant Coursework: Operating Systems, Algorithm Design, Theoretical CS, Computer Vision ML, Electromagnetics, x86 assembly, Statistics, Circuits

Hackathons: 3rd place of 220 teams at LA Hacks 2025, finalist (top 8 of 100 teams) at LA Tech Week 2024