

Chaidhat Chaimongkol

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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

Founder

Scholarity (<https://scholarity.io>)

- Founded and scaled Scholarity, an occupational health and safety SaaS, securing a Fortune 500 client and generating \$24k annual recurring revenue
- Built and deployed a full-stack E-learning platform (Dart, React, TypeScript, MySQL) with 50,000+ lines of code.
- Finalist at Google-backed hackathon; presented at Google LAX Office to business leaders and executives.

Jul 2022 – Present

Bangkok, Thailand

Software Engineering Intern

expand.ai (YC S24)

- Improved product's web scraping accuracy from 54% to 73% (better than all other current models)
- Built deep structured research and web scraping accuracy benchmarks (Typescript, Effect) using LLM-as-judge
- Worked directly with CEO to design and ship, iterating daily in a YC-backed startup environment.

Jul 2025 – Present

San Francisco, CA

Undergraduate Researcher

Yijia Xiao Lab

- Publishing a paper on Large Language Models (LangChain) to execute trades autonomously on market trends.

Mar 2025 – Present

Los Angeles, CA

Undergraduate Researcher, Website Lead

Di Carlo Lab

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

May 2024 – Jul 2025

Los Angeles, CA

Software Engineering Intern

PTG Energy Group

- Engineered frontend (Flutter) for fleet management system and work permit system
- Optimized back-end algorithms (TypeScript) to load data from MySQL server, observing 3x speed-up

Jul 2024 – Sep 2024

Bangkok, Thailand

Contractor

Department of Industrial Works (<https://schecklist-n.diw.go.th>)

- Coded full-stack safety checklist app (Flutter, Node.js, MySQL) as part of \$119,000 contract

Dec 2020 – Mar 2022

Bangkok, Thailand

LEADERSHIP & INVOLVEMENT

Team Lead, Brain-Computer Interface

CruX at UCLA

- Led a team of 20 engineers to process EEG signals using ML; 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 to write mission-critical flight software (C, Python, F Prime) for cube satellite
- Programmed SAMD51s, TI MCUs to execute flight instructions; designed and soldered 2 PCBs

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, Node.js, Next.js, 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