

Ho Lok Cheung

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Education

University of California, Los Angeles

Los Angeles, CA | *Expected June 2027*

Bachelor of Science in Computer Science and Linguistics

Relevant Coursework: Algorithms, Software Construction, Computer Systems, Data Structures

Technical Skills

Programming: C++, C, Python, JavaScript, Assembly (x86)

Web and Data: React, Node.js, Express.js, MongoDB, REST APIs, JWT Authentication

Tools and Platforms: Git, Bash and Shell Scripting, Regex, Linux, SSH

Concepts: Data Structures and Algorithms, Multithreading (pthreads), Object Oriented Design

Spoken Languages: Cantonese (native), Mandarin, English

Experience

Mathematics Instructor

Sep 2025 – Jun 2026

UCLA Center for Excellence in Engineering and Diversity

Los Angeles, CA

- Teach and mentor K–12 students in mathematics through UCLA’s engineering outreach program.
- Guided a mentee to earning a full scholarship to Vanderbilt University.

Research Intern

Jun 2024 – Aug 2024

Stanford University

Palo Alto, CA

- Defined genetic algorithm parameters and initial conditions for evolutionary simulations.
- Ran simulations modeling mutation and natural selection, then benchmarked the evolved organisms against reinforcement learning agents.

Project Manager

2024

NASA L’SPACE Academy

Tempe, AZ

- Led a team of 20 spanning Chief Scientist, Deputy Program Manager, and Chief Engineer roles.
- Defined and tracked benchmarks for mission-critical semi-autonomous operations and coordinated public mission outreach with NASA engineers and researchers.

Operations Intern

Jun 2023 – Aug 2023

Hang Seng Bank

Hong Kong

- Used SQL to query and extract trade data and Excel to clean, organize, and analyze it in support of the operations team’s daily workflow.
- Built and maintained Excel spreadsheets to track daily trade records, helping keep operational data accurate and easy to access.

Projects

Momento

2026

Full Stack Photo Mapping Web App

React, Node.js, Express, MongoDB, JWT

- Built a full stack web app that maps users’ uploaded photos to the locations where they were taken, backed by a MongoDB database and a REST API.
- Implemented secure login with JSON Web Tokens and shipped features in a five person team using Git and weekly agile reviews.

Naccent

Jan 2025

Best Student Life Hack, UCSB Hacks

Python, Speech Recognition, AI

- Created an app that gives students instant AI feedback to improve their English pronunciation.

GreenMate

Oct 2024

1st Place, Columbia University Hackathon

Snap Spectacles, Lens Studio, AR

- Built an AR plant-monitoring system on Snap Spectacles, overlaying live plant health data in the wearer’s view.

NeuralNurse

Feb 2024

2nd Place, Berkeley Hack for Impact

Python, Computer Vision, Facial Recognition

- Built an AI assistant that recognizes people and recalls their relationships to ease in-person social interactions.

Honors and Activities

- **Regents Scholar** — UCLA’s most prestigious merit scholarship, awarded to the top 2% of admitted students.
- **USA Team Handball, Academic All-American** — 1st Team (2026), 2nd Team (2025), representing UCLA.
- **NCAA Division I Rugby, UCLA** — top-20 nationally ranked program (2025 to Present).