BORIS LO

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EDUCATION

University of California, Los Angeles (UCLA): Expected June 2029
Computer Science *GPA:* **3.94/4.0**
Relevant Coursework: Intro to C++, Data Structures, Computer Organization
Sevenoaks School: Graduated IB Diploma ***45/45*** Graduated 2025

WORK EXPERIENCE

Sustainify *Founder & Lead Engineer* 2023 - Present

- Founded and grew a Hong Kong education nonprofit that secured US$100,000 in in-kind partner support, served 2,400 people, and was covered by 5 news outlets. Built and maintained its web platform since 2023.
- Engineered Google OAuth sign-in and offline-first learning-progress tracking with a per-stage retry queue and exponential backoff, so learners on weak connections don't lose work.
- Earned 19/20 "easy to use" ratings from youth and elderly testers over 3 sessions through a user-centered design process. Scored 99/100 on Lighthouse desktop performance by server-rendering 76% of components.

Publicis Worldwide *Intern* Summer 2026

- Increased booth visitor dwell time by 40% by developing and deploying a JavaScript campaign website on Vercel with interactive live-camera AR filters.
- Collaborated in a four-person team to design and execute an Airwaves marketing campaign from scratch, translating brand positioning into campaign messaging, game mechanics, and an interactive booth experience.
- Prepared market research and creative briefs for Cathay Pacific, supported pitch development for Shangri-La, and coordinated Citibank campaign production with an external production house.

Preface *Junior Software Engineer and Events Intern* Summer 2023, 2025

- Reduced query response time by 30% compared with the legacy database by developing a Python/pandas ETL pipeline to transform and migrate data from a legacy SQL database into a new database.
- Reduced recommendation response time by 20% by consolidating backend database operations; developed automated monitoring workflows to measure and validate improvement.

United Nations Internet Governance Forum DTC *Youth Board Director of Technology* 2023 - Present

- Advised as a youth representative on global internet policy frameworks across 5+ international UN forums.

PROJECTS

Guardian — SoCal Claude Hackathon *Most Creative Use of Claude* 2026

- Won US$500 for building an AI browser copilot to detect scam signals, explain page context, and guide users through multi-step web tasks with human oversight.
- Implemented intent-based routing and FastAPI agent workflows integrating real-time browser context, persistent memory, and calendar awareness to deliver task-specific guidance.

Google DeepMind Hackathon @ UCLA *Runner-up* 2026

- Won US$500 for building a gesture- and voice-controlled music composition platform using MediaPipe and Google Gemini APIs, enabling real-time control of tempo, volume, and effects.
- Improved prompt adherence by 30%, measured by generated outputs matching target styles and attributes, by integrating Strudel live coding with AI-assisted code generation.

RESEARCH & FELLOWSHIPS

AI Safety at UCLA *Fellow* 2026 - Present

- Examined AI alignment risks, LLM fundamentals, and technical governance approaches weekly.

UCLA Sensors and Robotics for Infrastructure Fire Perimeter Sensing Project *Research Lead* 2026 - Present

- Analyzed reliability of TEG sensor prototypes using Python-based data processing.

VOLUNTEER AND EXTRACURRICULAR ACTIVITIES

UCLA Magic & Illusion Student Team *Magic Castle Member and Performer* 2025 - Present

- Performed for audiences of 200+ and led weekly workshops for 10+ students, translating complex magic techniques into clear, step-by-step instruction.

SKILLS

Languages and Frameworks: Python, C++, TypeScript, SQL, x86 Assembly, React, Next.js, FastAPI, Pandas
Tools & Platforms: Git, Linux, Supabase, Vercel, Render, Resend
Languages Spoken: English (Native), Cantonese (Fluent), Mandarin (Fluent)