

Zhaojin Chu

zhaojinc@andrew.cmu.edu • 412-657-5072 • linkedin.com/in/zhaojinc • github.com/zhaojinchu

EDUCATION

Carnegie Mellon University | Bachelor of Science in Electrical & Computer Engineering May 2029

Dubai College | High School Diploma Jun 2025

- A-Levels: 4A* (Maths, Further Maths, Physics, Comp Sci).
- ACT: 35/36.

SKILLS

Technical: Python, C, JavaScript, SQL, HTML, CSS, PyTorch, Git, KiCad, Fusion 360, \LaTeX

Languages: English (Bilingual), Chinese (Native)

EXPERIENCE

Logic Labs | Founder/Lead Developer Jan 2024 – Present

- Delivered electronics kits and lectures to 60+ students; Built Node.js/React full-stack e-commerce with Stripe.
- Led a development team and coordinated workshops, kit development plans, and reviewed student feedback.

Cobblestone Energy | Data Analyst/IT Intern Dec 2023

- Engineered UK-wide, weather-driven day-ahead forecast (12-mo); lags/rolling stats; walk-forward CV for trading.

PROJECT EXPERIENCE

License Plate Recognition Model | American University in Dubai Jan 2025 – Present

- Training CNN-based plate detectors in PyTorch; exported to ONNX for deployment; exploring quantization.
- Curated dataset of 500+ Dubai plates with augmentation; tracking mAP/F1 and latency.

MusBook | Founder/Full-Stack Developer Sep 2023 – May 2025

- Developed a Django/Celery/Tailwind scheduling platform with real-time messaging and role-based dashboards.
- Pilot at Dubai College; Processed ~ 150 bookings/mo and improved on-time starts $\sim 20\%$.

Perception of Generative AI in the Gulf | American University in Dubai Jan 2024 – Mar 2025

- Led survey of 500+ participants on generative AI; applied Structural Equation Modeling on 10+ latent variables.
- Presented at Cambridge University; published in *The Political Economy of the Middle East*.

Evaluating NPUs vs. Traditional Processors | Dubai College Jul 2024 – Jan 2025

- Benchmarked NPU/CPU on AI inference; analyzed perf/W and bandwidth constraints; wrote 6k-word thesis.

LEADERSHIP EXPERIENCE

Computer Hardware Society | President Sep 2023 – Jul 2025

Viola Club | President Sep 2023 – Jul 2025

Dubai College Top University Prep Program | Teacher & Organizer Jan 2023 – Aug 2024

EXTRACURRICULAR EXPERIENCE

National Youth Orchestra of Dubai | First Chair Violist Aug 2023 – Aug 2025

The Old Library | Volunteer Jun 2022 – Mar 2023

HONORS & AWARDS

Netcraft Computer Science Prize Top 100 Global Sep 2025

Dubai College Computer Science Award May 2025

Duke of Edinburgh Gold Award May 2025

UKMT Senior Mathematical Challenge Gold Award Oct 2023

Pearson High Achiever Award Jun 2023

Associate of the Royal Schools of Music Diploma Aug 2022