

BRIAN CHAN

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EDUCATION

University of Southampton, United Kingdom | August 2028

Predicted Grade: 1st

MEng in Mechanical Engineering / Sustainable Energy Systems with Industrial Placement Year

- Roles and Responsibilities: STEM Ambassador, University Event Ambassador

Ackworth School, United Kingdom | July 2023

Grade: A*AA

A levels in Mathematics (A), Further Mathematics (A), Physics (A)*

- Awards: Fothergill Scholars, Gold Senior Mathematical Challenge Award, DofE Silver
- Roles and Responsibilities: Head Boy, Captain of U18 Mixed Hockey Team

EXPERIENCE

Chanworks.com – Virtual

Website Administrator

Apr 2025 – Current

- Individually created and managed personal website, handling design, domain, and hosting operations
- Implemented Git version control to track updates, optimize workflow, and maintain the website to showcase projects and professional growth, ensuring a smooth and efficient development process

Scouts – Southampton, UK

Assistant Cubs Leader

Sep 2024 – Apr 2025

- Collaborated with senior scout leaders to plan weekly activities and oversee outdoor program logistics
- Conducted risk management and safety checks to ensure safe participation in all events

GenZ Tutoring N Lab – Hybrid

Educational Fellow

Sep 2023 – Current

- Advertised tutoring services through social media and built trusted relationships with parents
- Collaborated with fellow tutors to share teaching strategies to cultivate a supportive team environment

Welcome Supermarket – Hong Kong

Team Member

May 2023 – Sep 2023

- Analysed P&L statements with seniors to gain business insights and support data-driven decision-making
- Coordinated with team members to share departmental tasks and drive a positive client experience

Aerial Robotics Club – Ackworth, UK

President

Apr 2022 – July 2023

- Organized weekly technical activities to advance members' robotics and drone development skills
- Maintained relationships with corporate partners through progress updates and sponsorship outreach

PROJECTS

Design Project – Responsive System

- Designed and built a sensor-driven, Arduino-based responsive system that triggered autonomous reactions to hand gestures in a themed interactive setup.
- Managed team coordination and resolved interpersonal challenges to maintain productivity and ensure a successful project outcome.

Business Review – Tesla Model S

- Led a multi-disciplinary team analysing the Model S design, business model optimization
- Developed cost model highlighting resource efficiency and industry production benchmarks variance

SKILLS & INTERESTS

- **Technical:** Adobe Illustrator · Ansys · Arduino · AutoCAD · C · C++ · Git · HTML · JavaScript · LaTeX · MATLAB · Multisim · Power BI · Python · SolidWorks
- **Language:** Proficient in English, Cantonese, Mandarin Chinese. Intermediate German.