

EDUCATION

King's College School, Wimbledon

London, United Kingdom

Year 13 Senior School

Sep 2022–Present

IB Diploma: HL: Mathematics AA, Physics, Chemistry; SL: Philosophy, Chinese, English

- Achieved L6th Physics Prize: 1st of 100+ physics cohort; Top of year in Year 12 IB exams (7s in all)

(IGCSEs): 11 9s (One of 116 students in UK) with 100% in Further Mathematics

- Mathematics, Further Mathematics, Physics, Chemistry, Biology, Computer Science, Geography, English Language, English Literature, Mandarin, French

SAT: 1550, English (R&W): 760, Maths: 790

WORK EXPERIENCE

Accelo Mobility, SINE IIT-backed EV Startup

May 2024–Present

Mechanical Engineering & Chassis Developer

- Weighed torsional stiffness against Accelo material cost targets & weld access to ensure ease of manufacturing and affordability
- Cut chassis cost by 5 per cent; used across 50+ vehicles

Tech Mahindra, London UK

July 2026

Platform economics client project for Bentley Motors

- Analysed Bentley's shared platform commercial strategy with Porsche, benchmarking against peer OEMs
- Authored client report proposing a new pricing model based on production volume, helping decision making on sharing car platforms to optimise profitability

REGENT Craft & Defense, Rhode Island, USA

July 2025

Summer Work Experience

- Assisted build and test of DC-DC converter powering avionics on electric seaglider prototype; wired, bench-tested and installed on physical airframe

RESEARCH & PROJECTS

EV spaceframe chassis under variable payloads

Nov 2025–May 2026

Independent Author & Published Researcher

- Designed optimised EV semi-spaceframe chassis to address risks of instability and battery fires from retrofitted ICE platform using CAD, performed 100+ FEA iterations
- Increased safety factor by 4.6x compared to ICE ladder-frame baseline
- Published in [National High School Journal of Science](#), Flagship Journal (~1% acceptance) and [Sigma Xi Research Conference](#)

UK CanSat Competition - StratoSat

Sep 2025–Mar 2026

Project Manager & Recovery System Lead

- Designed and built the recovery parachute from first principles: sized canopy area
- Led project past UK regionals; authored design review documentation - scored 100% (PDR) and 32/34 (CDR)

F1inSchools Competition - Orca Racing

Sep 2025–Mar 2026

Team Leader & Aerodynamics Lead

- Developed full aerodynamic concept in CAD through iterative CFD analysis within technical regulations
- Built engineering portfolio and helped deliver technical presentations to judges; team secured £100 in corporate sponsorships

EXTRACURRICULAR ACTIVITIES

Cricket4Life – Co-Founder

May 2023–Present

Roehampton Cricket Club

- Co-founded integration initiative for Afghan refugee teammates after end of state support dispersed players across the UK
- Designed and ran weekly English programme & worksheets built on Level 1 English qualification syllabus needed to coach
- 2 teammates now employed as paid club cricket coaches; Raised £1,000+ worth of cricket kit for teammates' coaching sessions

IGNITE Initiative - Founder

Sept 2025–Present

King's College School, Wimbledon

- Founded design & innovation initiative connecting students with engineering industry experts & demystifying STEM career paths
- Directed session with BP Senior VP of Technology and Innovation, working with Audi F1, for 50 students across 4 year groups
- Built confirmed line-up of 3 industry experts for speaker series after original speaker withdrew
- Building international product design competition across partner schools in Bangkok, Monaco and the UK, judged by experts

Mirror Board - Member
King's College School, Wimbledon

- Selected as 1 of 14 from 231 students to Mirror Board, the school's highest student governance body, chaired by the Headmistress
- Passed reform for 150 clubs with Head of Co-curricular: simpler formation route, digitalised advertising for younger year groups & club awards

Sept 2025-Present

Aerospace & Aviation Society - Co-Founder
King's College School, Wimbledon

- Co-founded Aerospace & Aviation Society after spotting unmet demand for Year 7-8
- Ran 13 sessions for 15 pupils

Dec 2024-Present

Science Mentor, Community Projects
King's College School, Wimbledon

- Planned and delivered weekly interactive science lessons to 40 gifted Year 5-6 students from 10 under-resourced local schools

Sept 2025-Present

Taekwondo - 2nd Dan Black Belt; National-level athlete
Putney Taekwondo Club

- Team Silver, 2024 British Taekwondo National Poomsae Championships; compete at regional and national levels
- Coached 12 juniors to advanced belts at Club as Assistant coach

2017-Present

Music

- Classical Pianist; ABRSM Grade 7 Distinction; All-Hong Kong Schools Music Festival Winner; produce own tracks
- The 22s, Rock Band Member - performed original song in rock festival live to 400+

2014-Present

AWARDS & CERTIFICATIONS

• BPhO Senior Physics Challenge - Gold Award	2026
• UKMT Senior Mathematical Challenge - Gold Award, qualified for Senior Kangaroo	2025
• John Locke Essay Competition - Commendation (Economics)	2026
• John Locke Essay Competition - Finalist (Junior)	2023
• British Science Association – CREST Gold Award	2026
• British Taekwondo National Championship – Team Silver Medal	2024
• ABRSM Piano Grade 7 - Distinction	2024

SKILLS AND INTERESTS

Languages: English (Native), French (Proficient), Mandarin (Proficient), Tamil (Mother Tongue)
Technical: CAD & FEA (Fusion360), Python, JavaScript/HTML, graphic design & video editing (DaVinci Resolve)
Interests: National-level taekwondo (silver medalist), music producer, rock band member, F1 enthusiast