

Charlotte Chan

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EDUCATION

Kings College London	<i>Sep 2025 – Jun 2028</i>
BEng Biomedical Engineering	
University of Hong Kong	<i>Sep 2024 – Jun 2025</i>
BEng Engineering	
Harrow International School Hong Kong	<i>Sep 2022 – Jun 2024</i>
A level (Math, Further Maths, Physics, Chemistry & EPQ)	
West Island School	<i>Sep 2020 – Jun 2022</i>
IGCSE (8A* & 2 A)	

WORK EXPERIENCE

The Austin Company UK – Engineering Intern	<i>Jun 2026</i>
- Organized write flows of architects on Excel; increased efficiency of managing architects' task - Designed the auditorium of 3M & calculated the resistive pressure needed for interior walls; presented my ideas & findings to the lead architect; my ideas were then incorporated in the client meeting - Utilized Relux to aid the light planning process & Excel to document the cost estimations on electrical devices for the 3M project; reduced the workload of electrical engineers by half - Visited British Petrol F1 lab site for wire checking and observed various professions' daily routine in construction. - Calculated pipe sizes and created an Excel sheet on impact assessment on the environment for the mechanics	
E3D, Oxford – Mechanical Engineer Intern	<i>May 2025 – Jun 2025</i>
- Tested 12 nozzles through 3D printing & constructed reports comparing the results; the reports were presented to the team for further discussion - Used SolidWorks to change the tolerance band width of 15 nozzle drawings - Conducted surface roughness testing on 50 high flow nozzles & analyzed the Ra, Rz and Rq values through Excel, concluding the best roughness indicator for quality control - Rebooted & flashed Klipper onto Raspberry Pi and Bigtreetech Octopus Control Board	
Private Tutoring – Freelance	<i>Nov 2024 – Present</i>
- Conduct weekly private 1-on-1 tutorials on English, Mathematics and Physics for 12 high school students; all students had an average increase of 30 marks in school test papers - Volunteered 70 hours in Kids for Kids; having weekly tutorial classes for underprivileged students	
Queen Mary Hospital – Healthcare assistant	<i>Jul 2023</i>
- Observed cardiac surgeons in diagnosing 5 patients & performing 3 different Coronary Artery Bypass Graft Surgeries in the surgical theater rooms - Assisted in daily administrative work of nurses such as communicating with patients, digitalization of 10 operational documents & creating 10+ slides for promoting the hospital's exclusive technology for patients' wellbeing; reduced the average workload of 6 nurses so they could attend to patients	

INTEREST & ACTIVITIES

Sports – Swimming, Latin Dancing, Tennis	<i>2014 – 2022</i>
- Member of the Hong Kong Jockey Club Swimming Team- Division 1 competitor of 50m and 100m breaststroke, Division 2 competitor of all strokes & 2nd runner-up in Division 2 200m breaststroke in Hong Kong China Swimming Association - Interschool Dancesport Formation Competition Championship; 2nd runner up for Chacha and Jive	
Social Media – YouTube	<i>2017 – 2019</i>
Gained 2+ Million views and 30k subscriber on YouTube teaching viewers how to use editing software's such as Video Star and Adobe After Effects; YouTube channel was monetized	
Skills: Python, C++, MATLAB, SolidWorks, Fusion 360, 3D Printing, Microsoft (Word, PowerPoint), Adobe After Effects	
Language: English(native), Cantonese(native)	
Hobbies: Swimming (9 years), Tennis (7 years), Bouldering, Reading, Running, Traveling, Podcasts (News & Welbeing)	