# Dylan Chua

Undergraduate, Imperial College London 22 years old

Currently a Mechanical Engineering undergraduate at Imperial College, set to graduate with MEng in 2026. Self-driven and inquisitive. Passionate about the sciences and software development, and how technology shapes possibilities.


dylan.chua22@imperial.ac.uk

thedylone

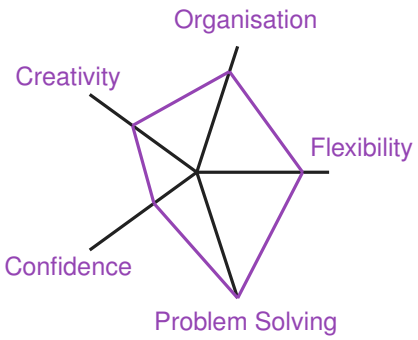
+44 07874074827; +65 82186864

thedylone


## Proficiencies

- Python, JavaScript, C#, CAD
- Active Listening & Counselling
- Teamwork, Coordination
- Fluent Written Communication
- Presentation & Public Speaking
- Fast Learner, Adaptable

## Spider




## Languages

| | |
|---|---|
| English | ☐☐☐☐☐ |
| Chinese | ☐☐☐☐ |
| German | ☐ |
| Japanese | ☐☐ |

## Interests

Puzzles, Astronomy, Coding, Football, Cooking, Guitar

## Activities

- Treasurer - Astronomy Club
- Top Prize - Hack & Roll 2022
- Charity Concert EXCO, audience of 1000ppl, raised over £180,000
- 2nd - Astrochallenge 2019
- A*STAR Science Award (JC)

## Education

### Mechanical Engineering (MEng 4YFT) 2022 - 2026

**Imperial College London, United Kingdom**

Undergraduate in Mechanical Engineering, pursuing a 4 Year MEng.

### Secondary School, Junior College 2014 - 2019

**Raffles Institution, Singapore**

Singapore-Cambridge GCE A-Level 2019

| | |
|---|---|
| A | H1 General Paper, H1 Project Work, H2 Physics, H2 Chemistry, H2 Mathematics, H2 Economics |
| Distinction | H3 Physics |

## Work Experiences

### Software Development Intern Feb 2022 - Jul 2022

**Defence Science and Technology Agency**

- Created a Simulator environment for adversarial drones using C# in Unity
- Integrated Computer Vision via RTSP and PID Controller through ZeroMQ
- Reduced need for live testing, changes are easily visualised in the digital twin

### Counselling Assistant Feb 2020 - Feb 2022

**SAF Counselling Centre**

- Managed clients appointments, manned the 24-Hour Counselling Hotline
- Massively improved workflow by automating Excel, Outlook etc. with VBA
- Appointed Counselling Assistant In Charge, Best Soldier of the Month

## Research Experiences

### Transparent, Self-healing and Stretchable Conductor for Electroluminescent Device Applications 2018

**National University of Singapore**

- Synthesised and characterised a self-healing polymer electrode
- Won the Singapore Science and Engineering Fair Special Award
- Speaker at Youth Science Conference 2019, Won Best Poster Award

### New 'Stimuli'-Responsive Hydrogels for targeted applications 2016

**National Institute of Education**

- Synthesised and characterised adsoprtion of a unique hydrogel
- Research Education 2016 Bronze Award & Certificate of High Distinction
- Presented at Kobe High School, Japan for a research exchange