

# RAYNA PHUA MEI XUAN

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## PROFILE

I am a recent graduate of the International Baccalaureate Diploma Programme at Anglo-Chinese School (Independent), having sat for the November 2024 examination session. Currently, I'm awaiting entry to an electrical and mechanical engineering course in the Fall 2025 cycle. I hope to channel my enthusiasm for problem-solving, particularly in physics, to find creative methods useful in real-world applications.

## HIGHLIGHTS & ACHIEVEMENTS

### — Academic

2018–Present

- Awarded DSTA Junior College Scholarship, 2023 - 2024
- Attained individual Bronze award, Singapore Chemistry League, 2023 - 2024
- Attained Distinction at the Avogadro Exam (The University of Waterloo), 2023
- Attained individual Gold award, 11th International Biomedical Quiz 2022
- Attained individual Gold award, C.B. Paul Science Quiz 2022
- Attained Physics, Biology Professor Miranda Yap Book Prizes (Methodist Girls' School) 2022
- Attained Bronze (Individual), Honourable Mention (team), Singapore Junior Physics Olympiad 2022
- Awarded Ministry of Education (MOE) Edusave scholarship for Independent Schools (ESIS) 2019-2024 for PSLE results
- Awarded 2018 medal winner for Singapore in International Competitions and Assessments for schools (ICAS - English) by The University of New South Wales

### — Non-academic

- Attained Singapore Schools Sports Council (SSSC) Colours Award (Sailing), 2024
- Attained Silver at National School Games, 'A' Division Sailing, ILCA 6, 2024
- Attained Bronze at National School Games, 'A' Division Sailing, ILCA 6, 2023
- Attained Distinction Award at National School Games, Track and Cross-country, 2022
- Attained National School Games Sportsmanship Award, Track and Field Championships 2022

## EDUCATION & EXPERIENCE

### Student Attachment - DSTA (Air Systems)

2024

- Interned at Defence Science and Technology Agency (Air Systems), completed project on front-end development of satellite tracking application

### Student Attachment - A\*STAR (IHPC)

2022

- Interned at Agency for Science, Technology and Research, Institute of High-Performance Computing (Electronics and Photonics department), completed project on simulation of avalanche photodiodes

### Anglo-Chinese School (Independent)

2023 - 2024

### Methodist Girls School (MGS), Integrated Programme

2019 - 2022

### CHIJ Our Lady of Good Counsel

2013 - 2018

## SKILLS, ROLES & CERTIFICATIONS

- ACSI Sailing EXCO, 2023-2024
- ACSI Young Innovators' Society Admin EXCO, 2023-2024
- MGS Track & Field sprints captain, 2021-2022

REFERENCES AND SAMPLE WORK AVAILABLE UPON REQUEST.