

Ryan Joo Rui An

Singapore • ryanjooruian18@gmail.com • 82876889 • [LinkedIn](#)

EDUCATION

DUNMAN HIGH SCHOOL

-

Singapore
Jan 2023 – Dec 2024

CHUNG CHENG HIGH SCHOOL

- GCE O-Level examination results: raw 6, nett 4
- Recipient of Chuang Weilang Mathematics Award (2021)
- Recipient of Dr Chuang Chu Lin Scholarship for 1st in Standard (2021)
- Recipient of Bilingual Award for Excellence in English and Higher Chinese (2021)
- Best in Additional Mathematics (Secondary Three) Award (2021)
- Best in Mathematics (Secondary Three) Award (2021)

Singapore
Jan 2021 – Dec 2022

CHONG HWA INDEPENDENT HIGH SCHOOL

- Recipient of Top Scorer Prize in Science (2019)
- Recipient of Top Scorer Prize in Mathematics (2019)
- Recipient of Top Scorer Prize in English Language (2019)
- Recipient of Top Scorer Prize in Bahasa Malaysia (2019)
- Overall Second Position in Junior Middle One for 2019

Malaysia
Jan 2019 – Dec 2020

EXPERIENCE

CEMERLANG BAKTI TUITION CENTRE

Teaching Intern

- Conducted Mathematics Olympiad classes for 10 students, aged 7 to 16.
- Developed and delivered lesson plans, focusing on advanced problem-solving techniques, mathematical reasoning, and critical thinking skills.
- Assisted students in understanding complex mathematical concepts and provided guidance in solving challenging Olympiad-style problems.
- Monitored individual student progress and provided personalised feedback and support to help students improve their problem-solving abilities and mathematical proficiency.

Selangor, Malaysia
Nov 2022 – Dec 2022

LEADERSHIP

MATHEMATICS SOCIETY

Member

- Represented school in competitions and achieved excellent results.
- Planned and executed Math Week, an activity aimed at promoting Mathematics to students at the secondary school and Junior College level through games and exhibitions.

Dunman High School
2023 – 2024

INFOCOMM CLUB

Member

- Enrolled in a comprehensive course centred on Swift programming, focused on the development of mobile applications.
- Participated in a learning journey to Open Governmental Products (OGP), gained insights into the development and design of user-friendly websites and applications.

Dunman High School
2023 – 2024

CLASS

Secretary

-

Dunman High School
2023 – 2024

CHINESE CHESS CLUB

Committee member

- Actively participated in the strategic planning and proficiently executed a Chinese chess competition, aimed at fostering and cultivating a heightened interest in Chinese chess among the club's members.

Chung Cheng High School (Main)
2021 – 2022

ACADEMIC RESEARCH SOCIETY

Secretary, member of school team

Chong Hwa Independent High School
2019 – 2020

- Represented school and country in various competitions and achieved excellent results.
- Involved in planning and execution of events.

CHESS CLUB

Member of school team

Chong Hwa Independent High School
2019 – 2020

- Represented school in competitions and achieved excellent results.

PROJECTS

PERSONAL WEBSITE

Sep 2023 – Present

Hosted at GitHub. Link: https://ryanjoo18.github.io/Ryan_coding/

ALL ABOUT MATHEMATICS OLYMPIAD

July 2023 – Present

A book which includes important topics in Mathematics Olympiad.
The book can be found on my personal website.

ALL ABOUT UNIVERSITY MATHEMATICS

July 2023 – Present

A book to summarise what I have learnt about university-level Mathematics.
The book can be found on my personal website.

AWARDS

COMPETITIONS

- 2023 Singapore Mathematics Olympiad (SMO): Silver award
- 2023 Singapore and Asian Schools Math Olympiad (SASMO): Top in Singapore by global ranking
- 2022 Singapore Mathematics Olympiad (SMO): Silver award
- 2022 Singapore Junior Physics Olympiad (SJPO): Bronze award
- 2022 Singapore Physics League (SPhL): Bronze award
- 2022 Singapore Junior Chemistry Olympiad (SJCO): Bronze award
- 2019 & 2021 Australian Mathematics Competition (AMC): Prize award
- 2021 International Mathematics Contest, Singapore (SIMC): Gold award
- 2019 & 2020 American Mathematics Olympiad (AMO): Gold award
- 2019 & 2020 Chen Junrun's Cup Mathematics Competition: First prize award
- 2020 World International Mathematical Olympiad Final (WIMO): Gold award
- 2020 Hong Kong International Mathematical Olympiad (HKIMO): Gold award
- 2020 & 2021 Malaysian Computing Challenge (MCC): Gold award
- 2023 National Olympiad in Informatics Singapore (NOI):
- 2019 MSSM Chess Championship (Kuala Lumpur Sentul Region): 3rd placing

ASEAN SCHOLARSHIP: Recipient in 2020

Offered by the Ministry of Education (MOE), Singapore.

MALAYSIAN MENSA SOCIETY: Member since 2020

Invited to join by Malaysian Mensa Society.

YALA PLATINUM SCHOLARSHIP: Recipient in 2019

Offered by Singapore International Mastery Contests Centre (SIMCC).

COMMUNITY SERVICE

SPRINGFIELD SECONDARY SCHOOL

May 2023 – Present

Volunteer tutor

- Tutored students in need of assistance in Mathematics and Science subjects.
- Designed and delivered personalised tutoring sessions tailored to individual student needs, targeted specific areas for improvement, provided additional practice materials.
- Mentored students on effective time management techniques, helped them develop strategies to prioritise tasks, set goals, and allocate study time efficiently.
- Monitored students' progress, identified areas of improvement, provided constructive feedback to help students

overcome challenges and enhance their academic performance.

BRAHM CENTRE

April 2023 – Sep 2023

Volunteer

- Offered guidance to senior citizens in harnessing the full potential of smartphones and diverse mobile applications, empowering them with valuable digital skills and enhancing their tech-savvy capabilities.

WILLING HEARTS

Sep 2022 – Oct 2022

Volunteer

- Assisted in operating a daily soup kitchen, contributed to preparing, cooking, and distributing approximately 200 meals per day to the elderly, disabled individuals, low-income families, children from single-parent households, and migrant workers in Singapore.

SKILLS

Technical: Python, LaTeX, VS Code, HTML, CSS.

Language: Native English, Proficient Chinese, Fluent Malay, Basic German, Basic Japanese.

Interests: Chess, Mathematics.