

Aloysius Ng

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SUMMARY

I am an undergraduate student interested in Mathematics, Computer Science and Cybersecurity. I am currently looking for experiences to explore possible employment options or do research.

EDUCATION

Massachusetts Institute of Technology, Cambridge MA

Bachelor of Science (Fall '23 - Spring '27?)

Fall 2023: Fundamentals of Programming (6.1010), Algebra I (18.701), Electronics Project Laboratory (6.2020)

Spring 2024: Low-level Programming (6.1903), Computation structures (6.191), Discrete Probability and Stochastic Processes (18.619), Algebra II (18.702)

Raffles Institution, Singapore, Singapore

Singapore-Cambridge GCE A-Level (2015 - 2020)

Knowledge and Inquiry (H2), Physics (H2), Chemistry (H2), Mathematics (H2, H3), Economics (H1), Chinese, Project Work.

ACTIVITIES & EXTRACURRICULARS

Singapore IMO Team

Observer B (2022-2023)

Carried out training sessions and activities for the Singapore participants of IMO 2023.

Coordinated Singapore's solutions during IMO 2023.

National Service, Singapore

Recruit (2021), Deck and Weapon Specialist (2021-2022)

Sailed with RSS Resolution on several Exercises.

Mathematics Club, Raffles Institution

Chairperson (2019-2020), Vice-chairperson (2017-2018)

Organized a Mathematics camp for club members.

Planned and taught sessions of Mathematics, on topics such as computational complexity and group theory.

AWARDS AND HONORS

- **Putnam Top 16** (2023)
- **International Mathematical Olympiad Silver** (2019, 2020)
- **Lee Kuan Yew Award for Mathematics and Science** (2019)
- **Singapore Physics Olympiad Gold Medal** (2018, 2019)
- **STACK the Flags Team 7th** (Category 1, 2020)
- **NSU CRYPTO Team 2nd** (University students, 2023)

SKILLS AND INTERESTS

- Proficient: Python, Mathematics
- Experienced: Assembly, Chinese, 3-D Printing
- Amateur: C, Algorithms, Double Bass, Woodworking