Tristan Chaang	m/in/tahaana
Cambridge, MA (617) 642 1190 <u>tchaang@mit.edu</u> <u>tristanchaang.github.io</u> <u>www.linkedin.co</u> Education	m/m/tcnaang
 Massachusetts Institute of Technology, Cambridge, MA Candidate for BS in Electrical Engineering and Computer Science & Mathematics Candidate for a minor in Physics Relevant Coursework: Algorithms, Machine Learning, Electronics, Analysis, Abstract Algebra, Quantum Physics, Linguistics 	September 2027 GPA (N/A) (Freshman)
Experience	
 UROP, Department of Earth, Atmospheric, and Planetary Sciences, MIT GPS/GNSS Jupyter Notebook Interface for Time Series Analysis Develop a Jupyter Notebook that allows users to utilize time position series data Outline patterns and correlations from time series data to understand changes of Earth's surface 	Spring 2024
 Undergraduate Teaching Assistant (UTA), Department of Physics, MIT UTA for 8.011 (Physics I / Classical Mechanics) Help students during group activities and grade problem sets on a weekly basis 	Spring 2024
 Undergraduate Research Opportunities Program (UROP), Department of Mathematics, MIT Investigating the Motion of Pilot-Wave Walkers in a Circular Corral Study the behavior of droplets bouncing on a vibrating oil bath Use MATLAB to model droplet dynamics and compare with experimental results 	Winter 2024
 Youth Stem Cup 2023, Malaysia <i>Head of Problem Selection Committee (PSC)</i> Organize the first ever student-led national science Olympiad in Malaysia Lead the PSC to: Invite problem setters, produce the exam paper, cross-check validity etc. 	Summer 2023
 IMO Committee Malaysia, Malaysia Trainer and Problem Selection Committee Member Train students in the IMO Selection Camp of Malaysia Write handouts and set problems for camp tests and IMO shortlist proposals 	2021-2023
 Academic Department, Kuen Cheng High School, Malaysia Math Team Trainer, Math Presenter, Peer Learning Program Volunteer Trained and led the school team to win national first places in multiple large-scale contests Give talks and interactive presentations to foster mathematical interest Help students in academic need in math, physics and chemistry to fulfil graduation requirement 	2018-2023
Activities & Extracurriculars	
 Swimming Club, Sunway College, Malaysia Help the committee run pool activities and teach beginners breaststroke and freestyle Science Week Opening Ceremony, Kuen Cheng High School, Malaysia 	2021-2023 2019
Plan and execute a large-scale performance for the annual science week	
Awards & Accomplishments	
William Lowell Putnam Mathematical Competition by MAA	Fall 2023
 Honorable Mention (Top 100) International Mathematical Olympiad Bronze Medals (2020, 2022) and Honorable Mentions (2018, 2019, 2021) Malaysian Physics, Computational Linguistics, and Economics Olympiads 	2018-2022 2020-2022
 Silver and Bronze Medals 	
Skills & Interests	

Languages:	Fluency in English, Mandarin Chinese, Cantonese and Malay
Software:	Familiarity with Python, C++, LaTeX, MATLAB, Mathematica, Adobe (Ps, Pr, Ae, Ai)
Books:	"Techniques for High School Mathematics Contests" (on Google Books)
Interests:	Abstract Algebra, Topology, Quantum Physics, AI, Programming, Linguistics