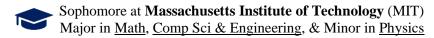
Tristan T.S. Chaang



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Graduating:

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Coursework and Grades Skills and Interests

GPA: 5.0 / 5.0 Interests: Algorithmic Trading, Data Analysis, Financial Math,

Collaborative Learning, Problem-Solving

Highlights: Stochastic Processes, Software: Python, C, JavaScript, HTML, MATLAB, LaTeX

Algorithm Design, ML,
Natural Lang Processing,

Published:

Visual Languages: Figure 1, 1975 and 1975

Quantum Computation

Awards and Accomplishments

June 2027

Citadel Securities 2nd Annual Quant Research Invitational – Champion (\$10000 Award) Winter 2025

• Implemented stochastic methods for algorithmic trading, particularly ETF & statistical arbitrage

• Simulated a M. Carlo Brownian Bridge and performed portfolio optimization for pairs-trading

• Presented final strategy at the new Citadel Securities headquarters in Miami

William Lowell Putnam Mathematical Competition – Honorable Mention (Top 100) 2023-2024

One of the most prestigious university-level math competitions in the world

International Mathematical Olympiad (IMO) – Bronze Medals 2018-2022

Five-time participant and medalist, representing Malaysia as one of only six team members

Work and Leadership Experience

Teaching Assistant (TA) and Grader 2024-

• For Algorithms (6.1210), Classical Mechanics (8.011), and Real Analysis (18.100A)

• Hold weekly office hours and recitations; proctor and grade exams

Undergraduate Researcher at MIT CS & AI Lab (CSAIL) 2024-

• Design and test self-supervised ML models to process 1PB of uncurated 3D brain scans

Global Teaching Laboratory, MIT International Sci and Tech Initiative (MISTI)

Winter 2025

• Trained the *Côte d'Ivoire* national team (in French) for the International Math Olympiad (IMO)

Webmaster and Actor, MIT Life on Stage Theatre (LOST) 2024-

• Perform for theatre and manage the club website

Undergraduate Researcher at Department of Earth, Atmospheric and Planetary Sciences MIT

Summer 2024

• Developed Jupyter Notebook to analyze GPS/GNSS stations' time position series.

• Outlined patterns and correlations from time series to understand changes of Earth's surface

Discover Citadel Program & **D.E. Shaw Connect** Event 2023-2024

• Explored different roles through various trading-related activities and networking events.

Trainer & Problem Selection Committee Member, IMO Committee of Malaysia 2021-2023

• Trained the *Malaysian* national team (in English) for the International Math Olympiad (IMO)