

Jiaming (Terry) Guo

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EDUCATION

Prince of Wales Mini School

September 2022 - June 2025

Magee Secondary School

September 2025 - June 2027 (Expected Graduation)

SCORES

• 97.05% Unweighted Average	
• SAT: 1550	May 3, 2025
• AP Calculus BC (5)	2026
• AP Physics C: Mechanics (5)	2026
• AP Physics 1 (5)	2026
• AP Chemistry (5)	2026
• AP World History: Modern (5)	2026
• AP Computer Science A (5)	2024
• AP Statistics (4)	2025
• AP Microeconomics (4)	2025
• AP Macroeconomics (4)	2025

AWARDS AND HONOURS

Mathematics Competitions

• 150/150; Fermat Mathematics Contest	February 25, 2026
• 145/150; Cayley Mathematics Contest	February 26, 2025
• 141/150, AIME Invitation; American Mathematics Competition (AMC) 12	November 5, 2025
• 111/150, AIME Invitation; American Mathematics Competition (AMC) 10	November 12, 2024
• 11/15; AIME (American Invitational Mathematics Examination	February 5, 2026
• United States of America Mathematical Olympiad (USAMO) Invitation	2026

Robotics/Drone Competitions

- Teamwork Mission world champion, Skills Missions runner up, top Piloting Skills score of 215; West Aerial Drone Championship 2026
- Wheeled Sports U19 Team First Place; Second Canadian FIRA Robot Competition
- Best Design Award, U19 Mission Impossible Team Champion; FIRA RoboWorld Cup and Summit 2025

Additional STEM Distinctions

• Gold Division; USA Computing Olympiad (USACO)	January - February 2026
• Gold; StemCo Physics Competition (PhysiCo)	November 15, 2026
• Gold; StemCo Chemistry Competition (ChemiCo)	November 16, 2026
• Gold; StemCo Biology Competition (BioCo)	November 16, 2026

ACADEMIC PROJECTS

Author of Research Article | Mentored by Professor Sascha Goluboff of Washington and Lee University, at the Pioneer Research Institute Spring Through Summer Term

February 2026 - July 2026

- Conducted research to investigate how social, motivational, emotional, and practical factors shape young people's choices of online games; designed a qualitative interview study for a small group of local participants.
- Conducted 13 semi-structured interviews with students in Vancouver aged 13-18, transcribed the interviews, compared findings, and authored a 9,896-word research paper.
- Received an A and was rated "Excellent" in all four assessed competencies, undergraduate academic potential placed in the top 10% relative to other students Professor Goluboff has mentored.

User Experience Engineering Course | Taught by Professor David S. Platt at the Harvard Secondary School Program
July 13, 2026 - August 6, 2026

- Designed and prototyped Whalewatcher, a mobile app concept for families on whale-watching trips.
- Conducted interviews, created personas, journey maps, and user stories during the creation process.
- Received a final grade of A, with full marks on every assignment.

Math for the People: How Theory Can Help Lead Us Towards Social Justice | Brown Pre-College Program

June 23, 2025 - July 11, 2025

- Applied mathematical tools to real-world problems, such as gerrymandering and greenhouse-gas emissions.
- Presented a game-theory project about payoff matrices and interstate violence.
- Received a final grade of A.

EXPERIENCE

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| Team Captain Aerial Drone Competition | 2025 - 2026 |
| <ul style="list-style-type: none">• Led a team of four people through Mission 2026's teamwork, autonomous flight, piloting skills, and communication missions.• Achieved the titles of world Teamwork champions and runner-up Skills finish, among over 100 teams and over 400 participating competitors.• Programmed nearly all of the autonomous flight skills code, refined piloting skills strategy, oversaw and coordinated teammates before and during the competition. | |
| Vancouver Co-President Math Attack Society | September 2024 - Now |
| <ul style="list-style-type: none">• Co-led the 2025 Team Math Attack Contest (TMAC) at UBC on December 7, 2025.• Helped develop contest questions, prepare the venue, handle the event's logistics, and deliver live announcements and instructions for over 200 participants. | |
| Vice President; Member Mathematics Club | September 2022 - Now |
| <ul style="list-style-type: none">• Served as Vice president at Magee Secondary School in the 2025/2026 school year, helping sustain participation, provide students with math mentorship, and coordinate teams for math competitions.• Selected to lead the club as President of the Magee Mathematics Club in the 2026-2027 school year, with responsibility to oversee the club's weekly meetings, participants, contest preparations, and math mentorship.• Participated in the Prince of Wales Mathematics Club beginning in grade 8, building club experience and learning foundations. | |
| Founder; President Global Drone Leadership Alliance, Vancouver Chapter | 2025 - Present |
| <ul style="list-style-type: none">• Founded a student program that mentors students on drone safety, piloting, and programming.• Designed and taught weekly sessions and mentored over 30 students. | |
| Vice President; Member Sunshine Foundation | 2022 - Now |
| <ul style="list-style-type: none">• Led and coordinated the Robotics Club (Co-President), Environmental Club (President), Generative Visual Arts Club (President), and Mathematics Club (Vice President) while supporting organization-wide events• Helped organize several charity sales, youth art exhibitions, award ceremonies, and guided students through technical, environmental, artistic, and mathematical activities.• Served as Vice President of the Foundation since September 2026, selected to lead as Co-President in the 2026-2027 school year. | |
| Executive Producer and Speaker TEDxYouth@MageeSecondary | February 2025 - June 2025 |
| <ul style="list-style-type: none">• Supported the production and organization of a youth TEDx speaker event at Magee Secondary School.• Delivered an original talk on the nature of human choice, titled <i>Free Will: Writing Your Own Future</i>. | |
| Painting Art Youth Director & Chairman; Member Canadian Rock Painting Association | September 2022 - Now |
| <ul style="list-style-type: none">• Participated in the association since grade 8 and served as Painting Art Youth Director & Chairman since grade 11.• Guided younger students in public rock-painting activities.• Represented the association at the 2025 Humanitarian Networks and Partnerships Weeks in Geneva (March 24-28, 2025), presented and exhibited a station on humanitarian artworks. | |
| Teaching Assistant (AP Computer Science A) Tsingbei Education | September 2024 - May 2026 |
| <ul style="list-style-type: none">• Supported nearly 20 AP Computer Science A students who needed help on Java concepts and class material.• Answered questions and graded homework and tests under the instructor's supervision. | |
| Stagecraft & Library Monitoring Prince of Wales Secondary School | September 2022 - June 2025 |
| <ul style="list-style-type: none">• Stagecraft, 20+ hours: Helping prepare for and operate lighting/staging before and during events/performances.• Library monitoring, 15+ hours: Helping organize and manage book checkouts and returns, and to keep the library organized. | |