

SOE LIN HTET

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Education

Massachusetts Institute of Technology (MIT), Cambridge, MA

September 2025–May 2029

Candidate for Bachelor of Science in Mathematics, Computer Science with focus in Machine Learning

Coursework: Probability and Random Variables (18.600), Real Analysis (18.100B), Algebraic Combinatorics (18.212), Introduction to Algorithms (6.1210), Design and Analysis of Algorithms (6.1220), Introduction to Machine Learning (6.3900), Computational Thinking and Data Science (6.100B). In progress: Fundamentals of Programming (6.1010); graduate-level: Advanced Algorithms (6.5210), Topics in Multiagent Learning (6.7980), Introduction to Stochastic Processes (18.615)

Awards & Accomplishments

International Mathematical Olympiad (IMO)

January 2020–July 2024

- Three-time contestant for Myanmar (2020, 2023, 2024); Honorable Mention, 2024

Experience

Stealth-mode AI startup

July 2026–Present

Founding Member; Machine Learning Engineer

- Founding member of a small team working on machine-learning systems. More later.

Research Laboratory of Electronics (RLE), MIT

June 2026–Present

Undergraduate Researcher

- Built vision-guided and HexaCircle-based control systems for a Linker Hand, using OpenCV and Dex-Retargeting to map visual input to robotic-hand motion.
- Designed multifunctional robotic fingers for quantum-photonics lab automation, including a Raspberry Pi 5–based screw-driver fingertip with closed-loop current/force feedback for hole alignment and insertion.

Earth, Atmospheric and Planetary Science Department, MIT

February 2026–Present

Undergraduate Researcher

- Analyze long-term tropospheric CO trends and seasonality using MOPITT/AIRS satellite products and IAGOS aircraft data; evaluate CESM2-WACCM6 (1995–2014) ensemble simulations against observations.
- Produce reproducible Python workflows & figures quantifying regional/global CO variability & drivers.

Mathematical Society of Myanmar (MSM)

August 2024–Present

Training Coordinator & Problem Writer

- Coordinated the International Mathematical Olympiad (IMO) 2025 national training camp of 10+ students, contributing to Myanmar's highest total team marks at an IMO in the country's history.
- Proposed 11 problems to date; managed problem selection and grading for 6+ national rounds and team selection tests over 2024–2026.

Myanmar Olympiad in Informatics (MOI), Myanmar Olympiad Network

April 2026–Present

Head of Coordinators

- Developed a CMS-based end-to-end contest management platform for the national Informatics Olympiad that detects cheating from users' activity and eye-pupil tracking.

Myanmar National IOAI Board

April 2026–Present

Board Member & Training Camp Coach

- Designed the selection rubric and training curriculum for the International Olympiad in Artificial Intelligence (IOAI): supervised learning, feature engineering, model evaluation, ensembling, Kaggle workflows.
- Coached the national training camp for Myanmar's first-ever IOAI team, which earned 2 Honorable Mentions at IOAI 2026 (Astana).

Activities & Extracurriculars

International Students Association – MIT, Advocacy, Freshman Rep

February 2026–Present

- Collaborate with MIT ISO to run advocacy fireside chats on immigration/policy updates for intl students.
- Organize campus events (International Fair, study breaks, Pi Day international students welcome video).

IN FOCUS: Jane Street, Participant (trading and research)

January 2026

- Selected as 1 of 16: completed a 5-day program featuring market making, research-focused trading simulations and several workshops.

QuadriSchool Math Tournament 2024, Organizer

August 2024–October 2024

- Organized a math tournament of 66 participants from 4 regions.
- Raised and distributed 300USD in funds as scholarships for national olympiads to the Top-12.