Max Hong

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Education

Georgia Institute of Technology — Atlanta, GA
Bachelor of Science in Electrical Engineering, Minor in Computing and AI, GPA 4.00 — Jun, 2026 – May, 2028
- **Concentrations:** Electric Energy Systems and Electronic Devices

Mt. San Antonio College — Walnut, CA
Transfer Student (Non Degree-Seeking), GPA 3.83 — Jun, 2025 – May, 2026

Experience and Activities

SAT Professionals — Diamond Bar, CA
Private Tutor — Sep 2025 – Jun 2026
- Tutored students 1-on-1 in subjects including SAT English, SAT Math, Algebra I/II, Precalculus, AP Physics, AP Calculus, and AP Chemistry
- Prepared weekly materials tailored to each student's progress and communicated regularly with office staff to provide feedback on student performance and improvement
- Break down complex concepts into clear, manageable steps to improve student understanding, with all students receiving a 4 or 5 on the respective AP exams

GO Tutor Corps — Remote, USA
Virtual Tutor — Sep 2025 – Apr 2026
- Provide high-dosage academic tutoring in Math and ELA to two groups of disadvantaged middle school students
- Reviewed lesson plans in advance and used engaging methods to support student participation and learning
- Tracked student progress and communicated suggestions with GO staff to improve curriculum effectiveness

Carnegie Mellon University — Remote, USA
Computer Science Research Intern — Aug 2024 – Feb 2026
- Advisors: Professor Kathleen M. Carley; PhD candidate Rebecca Marigliano
- Compiled and analyzed a database of information containing over 200 pieces of both qualitative and quantitative data on 50+ countries
- Established baseline ideological and moral profiles at the country level to allow for comparative analysis across different political and cultural dimensions
- Organized peer-reviewed scholarly articles for literature review to support ongoing research

CyberPatriot — Fullerton, CA
Windows Operating System Specialist and Team Captain — Jun 2021 – Jan 2025
- Specialized in Windows system hardening and vulnerability mitigation
- Led competitive cybersecurity teams as captain, coordinating training sessions, writing scripts and checklists, organizing team materials, and developing competition plans to improve team performance and cohesion
- Semifinalist in the CP-XIV (All-Service, Navy JROTC division 2nd place finish), CP-XV, and CP-XVI seasons

University of California San Diego — La Jolla, CA
Electrical and Computer Engineering Research Intern — Jun 2024 – Jul 2024
- Advisors: Associate Professor Hanh-Phuc Le; PhD candidate Po-Han Chen; PhD candidate Hieu Minh Pham
- Programmed Python code on macOS to test and communicate with HVRMs, Rigol/Keysight power supplies and loads, microcontrollers, FPGAs, Arduino boards, and Tektronix oscilloscopes
- Enabled usage of a Hyrel EHR 3D printer to create prototype circuit boards and other items necessitated by the laboratory

Achievements and Awards

Gold Presidential Volunteer Service Award — May 2022
American Invitational Mathematics Examination (AIME) Qualification — Dec 2023
SOLIDWORKS CAD Design Associate (CSWA) Certification — May 2025

Skills

Programming: Python / Java / C / C++ / MATLAB / SQL / Batch
Computer Software: NI Max / Altium Designer / Autodesk Fusion / SolidWorks / Microsoft Office / Git
Hardware: FPGAs / Oscilloscopes / Function Generators / Digital Multimeter
Languages: English (fluent) / Chinese (fluent) / Spanish (elementary)