

Keitatsu Osone

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EDUCATION

Shanghai Soong Ching Ling School International Division	2018-Now
AP: AP Physics 1 (5), AP Chinese (5), AP Physics C E&M (4), AP Biology (5), AP CSA (4), AP Calculus BC (5)	2024-2025
GPA: 3.98 (weighted: 4.24)	2025
TOEFL: 112 (Reading 29, Listening 28, Speaking 27, Writing 28)	2025
SAT: 1560 (770 + 790)	2025

HONORS & AWARDS

- iGEM Gold Medal 2023-2024
- Conrad Challenge China National Aerospace & Aviation Silver Medal (top 10%)
- iGEM Silver Medal 2024-2025
- AAPT PhysicsBowl 2025 National Gold (D1)
- Conrad Challenge China National Health & Nutrition Bronze Medal
- Diamond Challenge China National Runners-Up
- IMMC 2023 Meritorious Award

EXTRACURRICULAR ACTIVITIES

- Research participant & Development participant** - Developed research on “Flexible UAV-based on Inflatable airbags structure for rocket payload ”; Committed 100+ hours to developing the drone; Finished an 8000-word research paper.
- Hardware Development Leader** - Self-developed disease diagnostic kit; Won IGEM Gold Medal, Conrad Challenge Bronze Medal, Diamond Challenge Runners Up, ISEF Special Award; Invited to INCOSE (System-Engineering fair); Taught 5+ hours of 1-on-1 hardware education classes.
- Model Rocket Hobbyist** - Constructed and launched a level 1 model rocket from scratch; Designed and developed a flight computer; Researched voltage-actuated solid propellant for throttling purposes; Designed and tested an I-class solid rocket motor; Committed 150+ hours to researching the development of solid rocket motor; Won Conrad Challenge China Silver Award. link: <https://ma2r3s.space>
- Photography Competition Organizer** - Organized photography competition (FRAME!) for international students; Gathered 300+ participants in the first event. link: <https://frame.7nft.art/index.html>
- Floorball Team Captain & Member** - Proposed and organized the first floorball varsity team in school; Organized matches with neighboring schools and colleges; Won 3rd in SSSA tournament.
- Photography Club Leader** - Edited theme videos for TEDX event for more than 1,000 audiences; Educated 100+ students on photography basics; Organized cloud files with more than 30+ event photos. Portfolio link: <https://keitatsuosone.my.canva.site>
- Summer School Participant** - Attended Frontiers program at WPI; Finished a 2-week course on aerospace engineering and STEM teaching; Learned how to use professional aerodynamics simulation software for model planes.
- Summer School Participant** - Attended LaunchX Bay Area Entrepreneurship program; Finished 4-week course on entrepreneurship; Developed a smart plant pot tech gadget; Sold 300+ dollars of presale.
- High School Student Council** - Member of the student council for 3 years; Organized 10+ events for middle and high school students; Committed 100+ hours to assisting and organizing events.
- National Honor Society Treasurer** - Donated 50000+ RMB from a self-organized charity run event; Developed an automatic lap counting system for charity run; Organized a cloud file for expense tracking.

PUBLICATION

Publishing “Flexible UAV-based on Inflatable airbags structure” on ResearchGate. (Pending)

INTERESTS

Engineering, Model Rocketry, Floorball, Photography, Cinematography, Soccer, Badminton.

Languages

Chinese, Japanese, English.