Yiming Sun

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EDUCATION

Minhang Crosspoint Academy, 11th & 12th Grade, GPA 4.67 (weighted) — Sep 2024 - Exp. Jun 2026

Shanghai Starriver Bilingual School, 10th Grade — Sep 2022 - Jun 2023

STANDARD TESTS

- **TOEFL 114** (R30, L30, S25, W29) · **SAT 1580** (EBRW 780, Math 800)
- **AP Scores:** 11×5 (US History; Calc BC; Stats; Physics 1/2/C (Mech & E&M); Bio; Chem; Micro; Macro), 1×4 (English Lang & Comp)

AWARDS & HONORS

- IMMC - International Math Modeling Challenge 2025 — Finalist
- USACO - USA Computing Olympiad — Gold Division

EXPERIENCE

Ear Modular, Founder — Oct 2023 - Present
- Designed, manufactured, and sold 100+ Eurorack modules to customers in 10+ countries.
- Developed analog circuits, embedded firmware, and user interfaces for synthesizer modules.
- Exhibited products at SUPERBOOTH (Berlin) and Tokyo Festival of Modular.

X Challenge Youth Camp 2025 - Track 7 Music Technology, Teaching Assistant — Aug 2025
- Supported instruction for 20+ students on the use of technology in musical composition and performance.
- Guided and mentored student projects in soundscape recreation and novel instrument interface design.

West Bund Museum, Research Assistant — Jan 2025 - Present
- Recorded 10+ field sessions at Shanghai metro termini for the Sounds of Shanghai I archive.
- Researched urban acoustic and liminal soundscapes; led public sound-art installations.

Modular Community Building, Curator & Organizer — 2024 - Present
- Co-organized Asia's largest modular synth festival (Modular Commune) with 100+ artists and 20+ brands.
- Assisted at "Trigger," a Shanghai experimental music venue hosting 50+ weekly performances and workshops.

Other Initiatives, Contributor — 2022 - Present
- Interpreted Max/MSP (Audio Programming Environment) workshops at Cycling'74 Max Developer Meeting.
- Attended Stanford CCRMA Workshop on virtual acoustics and spatial audio.
- Licensed member of Shanghai Amateur Radio Association; participated in analog RF systems operation.

PUBLICATIONS & WORKS

UIUC PureData Max Conference 2025, Co-author — May 2025
- Co-developed "Motion Shaper," a cross-platform sound-visual system based on Morphological Synchresis theory.

SKILLS

- **Programming:** C++, Python, JavaScript, Matlab
- **Audio Tools:** Max/MSP, Pure Data, SuperCollider, Ableton Live, Logic Pro
- **Hardware:** STM32, Analog Circuit Design, PCB Design
- **Languages:** Mandarin Chinese (Native), English (Fluent), Japanese (Conversational)