

Yiming Sun

Shanghai, China | yiming.sun2025@outlook.com | yimingsun.site | +86 18201876431

EDUCATION

Minhang Crosspoint Academy, 11 th & 12 th Grade, GPA 4.67 (weighted)	Sep 2024 - Exp. Jun 2026
Shanghai Starriver Bilingual School, 10 th 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.
- Modular Community Building**, Curator & Organizer 2024 - Present
- Co-organized Asia's largest modular synth festival (Modular Commune) with 100+ artists and 60+ brands.
 - Assisted at "Trigger," a Shanghai experimental music venue hosting 50+ weekly performances and workshops.
- Other Initiatives**, Contributor 2022 - Present
- Licensed member of Shanghai Amateur Radio Association; participated in analog RF systems operation.
 - Attended Stanford CCRMA Workshop on virtual acoustics and spatial audio.

SELECTED WORKS & PROJECTS

- The End of Fall:** A 40HP reconfigurable feedback system comprising dual ladder filters and echoes, capable of operating as a Eurorack module or standalone device with complex internal routing. Jul – Nov 2025
- Solar Sound Card:** A collaboration with Grilling Park, this series of portable, light-sensitive sound generators transforms ambient light and shadow into dynamic audio via a built-in speaker. Apr – Oct 2025
- Windstring:** A 12HP Serge EQ-based filterbank featuring a "Wind" parameter to sweep through ten resonant bands, capable of self-oscillation and random channel masking. Jan – Jun 2025
- Latent Electone:** A neural audio project inspired by Shigeo Sekito, using RAVE V2 to revive the lost orchestral textures of the vintage Electone organ as a plugin. Aug – Oct 2025
- Motion Shaper:** A real-time audiovisual composition framework with Unreal Engine and Max/MSP. Presented at Pd/Max Con 2025 as second author. Jan – Aug 2025

SKILLS

- **Instruments:** Classical Guitar, Electric Guitar, Modular Synthesizer, Keyboard
- **Languages:** Mandarin Chinese (Native), English (Fluent), Japanese (Conversational)
- **Programming Languages:** C++ (Embedded), Python (PyTorch), Java
- **Software & Engineering Tools:** Ableton Live, Logic Pro, Max/MSP, KiCad, STM32CubeIDE