Yiming Sun

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EDUCATION

Minhang Crosspoint Academy, 11th Grade, GPA 4.0 Shanghai Starriver Bilingual School, 10th Grade, GPA 3.8 Shangbao Middle School, 9th Grade, GPA 4.0

Sep 2024 - Exp. Jun 2026

Sep 2022 - Jun 2023

Sep 2021 - Jun 2022

STANDARD TESTS

• TOEFL 114 (R30, L30, S25, W29)

SAT 1580 (EBRW 780, Math 800)

• AP Scores: Twelve exams: 5s in US History, Calculus BC, Statistics, Physics 1, 2, C (Mechanics and E&M), Biology, Chemistry, Microeconomics, Macroeconomics; 4 in English Language & Composition

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 and Tokyo Festival of Modular, enhancing global recognition.

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 Intern

Jan 2025 - Present

- Conducted 10+ field recordings in Shanghai subway terminals for the Sounds of Shanghai I archive.
- Investigated urban acoustic ecologies and transitional sound environments; 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.
- Managed "Trigger," a Shanghai-based venue hosting 50+ weekly performances and workshops, fostering a growing experimental music community.

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

The Computer Music Tutorial, Co-translator

Feb 2025 - Present

- Translated chapters on spectral processing, FFT (Fourier Transform), and time-domain synthesis.
- Established consistent Chinese terminology for microsound and granular synthesis concepts.

UIUC PureData Max Conference 2025, Co-author

May 2025

• Co-developed "Motion Shaper," a cross-platform sound synthesis and visual parameter control 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, Arduino, Analog Circuit Design, Schematic Layout
- Languages: Mandarin Chinese (Native), English (Fluent), Japanese (Conversational)