

# Tim YuKun Xu

## Experience

### Founder & Head Engineer

#### TXMG Audio

| 2022.06– Present

TXMG Audio is dedicated to the audio industry, focusing on manufacturing cutting-edge studio monitoring systems while providing a one-stop solution for audio production and live events.

- Led multiple departments responsible for product development, marketing, and team building.
- Researched sound dispersion in studio monitoring systems, developing multi-transducer phased array technology to optimize in-room acoustic performance.
- Managed product CAD design and manufacturing.
- Led cross-team collaboration with external partners.

*Impact: Developed advanced audio technologies that improved the listening experience for studio professionals by enhancing accuracy in sound reproduction.*

### System Engineer

#### UCubeSat

| 2023.09 – present

A student group sponsored by the University of Utah, NASA Jet Propulsion Laboratory, and other space programs focused on building a cubic satellite to launch into low-Earth orbit.

- Led the ground station build for satellite communication.
- Conducted research on similar projects, contributing valuable prior experience to the team.
- Performed systems engineering on the telemetry system.

*Impact: Contributed to the successful integration of satellite systems, enabling reliable ground-to-orbit communication and supporting cutting-edge space research.*

### Competition Judge / Host

#### Sound Making Planet

| 2024.01 – 2024.08

One of the largest audio communities in China, Sound Making Planet provides a premier learning environment for audio production.

- Produced a series of educational content revealing the process behind music production.
- Coordinated events and marketing efforts.
- Served as the main judge for the 2024 competition, overseeing preliminary, semi-final, and final rounds.

*Impact: Helped nurture the next generation of audio engineers by providing professional insights and educational content, enhancing the audio production skills of aspiring engineers.*

### Co-Founder & Technician

#### 2006 Space Oddity

(re-grouped to TXMG Audio) | 2022.01 – Present

A comprehensive arts and entertainment venue providing a platform for artists, a space for audiences to enjoy, and a hub for the local arts community.

- Planned the site layout, optimizing space usage and accessibility.
- Designed and managed the sound system for live performances.
- Organized events and managed teams.

*Impact: Created a vibrant cultural space, supporting local artists and enriching the community's entertainment experience through optimized sound and events management.*

## Achievements

- Ranked 7th on the Top Coach leaderboard on [Puremix.com](https://puremix.com), the largest online audio production forum worldwide.
- Certified Audio Engineer from RSS (TTL), one of the most commercially successful studios in China.
- Certified in multi-engineering and manufacturing skills by the MakeSaltLake non-profit engineering group.

## Contact

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## Skills

- 3D CAD Design
- AoIP Networking
- PCB Drawing
- System Engineering
- Audio Measuring
- Communication
- Leadership
- Java/C++/C/Python/Scala
- CNC Manufacturing

## Education

### University of Southern California

BSc in Computer Engineering  
2022 – 2027

### Westminster University

BSc in Computer Science  
2022 - 2027

## Languages

- Chinese(mandarin) - native
- English - proficient