PETER LI

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EDUCATION

YALE SCHOOL OF MANAGEMENT

Master of Management Studies, Technology Management Awards: 2025 Morris and Miriam Pozen Entrepreneur Award Relevant Courses: Management of Software Development, Neural Networks and Learning Systems

YALE UNIVERSITY

Bachelor of Arts, Computing and The Arts 2020 - 2024Relevant Courses: Full Stack Web Programming, Data Structures and Programming Techniques, AI

PROFESSIONAL EXPERIENCE

MAKERSTATE – Edtech Startup: Entrepreneurship Education for Artists **Co-founder and Software Engineer**

- Developed and maintained a MERN platform for students and instructors, iteratively enhancing the software ٠ through multiple sprints, integrating user engagement data and feedback to boost student retention and increase content delivery speed for instructors.
- Built a LangChain AI agent with curriculum knowledge and custom functions to facilitate student learning, • continuously optimizing its performance and reducing costs using data caching and adaptive context sizing.
- Grew to 350 active users by partnering with key organizations like MITx, Midnight Oil Innovations, and • MAP Fund, positioning Makerstate as the preferred entrepreneurship education provider for their artists.

TSAI CENTER FOR INNOVATIVE THINKING – Yale's Startup Accelerator Venture Associate (Software Engineering Lead)

- Built critical software features and MVPs for 8 early-stage tech startups across diverse industries, empowering ventures to secure initial user traction and validate business models.
- Organized build nights and networking events that fostered community and mentorship opportunities. •

RECENT PROJECTS

SETPET – StreamDiffusion Visualizer for DJs

Developed an Electron app that fed live audio, video, and user prompts into a TensorRT-accelerated StreamDiffusion pipeline, allowing DJs to produce live visuals to enhance their performances.

EXPANDING DIMENSIONS – Chinese Opera Using AR and Synthetic Instruments 2023 - 2024

Performed spectral and envelope analysis on classical Chinese instruments using Python, synthesized digital versions in SuperCollider, and developed AR elements in Meta Spark to produce a traditional Chinese opera.

SKILLS AND INTERESTS

- **Programming Languages:** JavaScript, Python, SQL, C, C++, Java, Dart •
- Web and Mobile Development: React, Express, Node, Next, Flask, Electron, Flutter, MongoDB, AWS •
- AI and ML: LangChain, OpenAI Agents SDK, CrewAI, StreamDiffusion, TensorRT, PyTorch •
- Creative Tools: SuperCollider, Meta Spark, Adobe Suite, Figma •
- Interests: Acting and Sound Designing Theatre, Illustration, Creative Writing •



New Haven, CT

2024 - 2025

New Haven, CT

New Haven, CT

2021 - 2025

2023 – Present