

UC SAN DIEGO 2024¹

SIGNIFICANT EXPERIENCES

Founder & Tech Lead, Aako Inc

2 Yr, Present

Lead a team of 1 engineer and 2 designers to **build a location-based AR social app using Swift, RealityKit, ASP.NET, and PostgreSQL**. Integrated LLMs for content generation and **vector search** to enhance spatial interactions. **Oversee cross-functional ops** including HR, product strategy, and investor relations.

Senior ICT Associate, UN Office for Project Services

1 Yr, 2025

Design & Develop **enterprise grade LLM-powered code analysis .NET library** for the United Nations to assist UN officers, government officials, and key stakeholders in understanding the procurement platform's workflow through AI-powered assistant.

Software Engineer, UN Office for Project Services

8 Mo, 2023

Joined a 3-engineer, 1-QA team to modernize a UN procurement platform **integrating AngularJS with Svelte-based web components**, Entity Framework, and MSSQL. Delivered new features and refactored legacy .NET code. Helped connect governments, UN agencies, and suppliers via UNOPS, **driving \$175M in impact across regions in Palestine, Ukraine, and more**.

Instructional Assistant, UC San Diego

1 Yr, 2022

Served as Teaching Assistant for **4 terms after being reselected by the professor and earning a 100% student rating**. Led lab sessions (~15 students), hosted office hours, and supported lectures. Taught debugging, CI/CD, and testing using Java, JUnit, JDB, GitHub Actions, and Linux.

Game Performance Analyst, NVIDIA

7 Mo, 2020

Supported GeForce Experience with global game performance analysis and optimization. **Developed automation tools for benchmarking and gameplay research** and **developed an AI-powered voting web service to enhance E-Sports performance**. Tech stack included Lua, React, Vue, Flask, OpenCV, Docker, and AfterBurner.

GAMES & OPEN SOURCE

Co-Producer & Lead Engineer, Avian Enigma

2024

Created and published the **first Manchurian visual novel in history**, released on Steam, Itch.io, and the App Store. Led a team in game development, visual design, and community relations. The game **received a Very Positive rating on Steam for its avant-garde visual art and cultural originality**.

Owner, Uimf-svelte

2023

Built an open-source Svelte component library that auto-generates frontends from UiMetadataFramework, now **used across multiple United Nations services**. Written in TypeScript using SvelteKit and Bootstrap; built with Vite for performance and Babel/CoreJS for wide compatibility.

Producer & Lead Engineer, Self Reliance

2018

Led development of a sex education video game with **30,000 daily active users and over 300,000 total users**. Featured in top-tier media including CGTN for its social impact and accessibility. Built with C# and Unity3D; Flask for backend services; Vue and vis.js for a custom level editing tool; Postman for API testing.

GREAT STUFF

Curator, UncommonGallery

1 Yr, Present

Curate a non-profit photography gallery showcasing contemporary works by local artists alongside selected pieces ranging from Renaissance to Shamanic art. Open free to the public

Guest Lecturer, UCLA EDUC 88S: Gamification in Education

2024

Invited by course instructor Sharon Zhao to deliver a guest lecture on Gamification Application, covering problem-solving methodologies in entrepreneurship and introducing application-level technical knowledge.

Co-Founder, More Club

2017

More club is a school club I started with my friends in High School; ran viral social media and made killer apps. It is the best club in my high school's history.

ARTICLES, HONORS & NEWS

[Why don't I like OAs & how to design a good OA - Medium](#)[Implementing Semantic Search with OpenAI, Postgres, and Entity Framework - Medium](#)

ND Awards 2024 Non-Professional Winner Honorable Mention in Photojournalism x 2

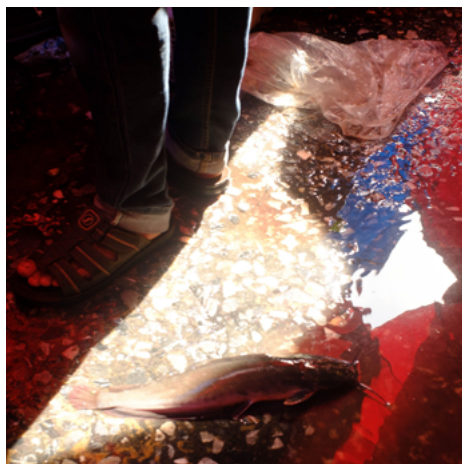
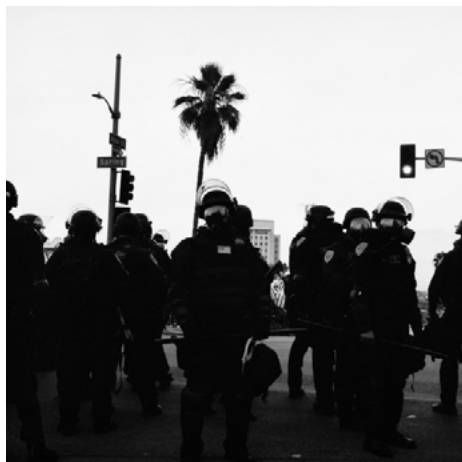
Sex education game developed by Chinese high-school - CGTN

Chinese High School Students Release Interactive Sex Education Game - Radii China



ONE MORE THING, I TAKE PICTURES FOR FUN.

mohaelder.github.io/me/photos



悲极生乐

FROM THE GREATEST SORROW, THERE'S HAPPINESS