Sean Yang

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PROJECTS

Devil's Advocate, Ludum Dare project, Itch.io, 2024 | Godot | https://spectradev.itch.io/devilsadvocate
- Devil's Advocate is a comedic adventure game inspired by Ace Attorney that I made in under 72 hours with a team of five as part of Ludum Dare 55 Jam.
- As one of two programmers working on this game, I was responsible for a majority of the code base including UI implementation, shaders, and a custom dialogue manager to handle dialogue, character sounds/animations, and scripted events.
- Worked around the clock to create a highly-rated game that received an overall result of 23rd place out of 2194 submissions.

TileSlate, full-stack application, 2022 | MERN Stack
- For my Software Engineering course, my team of four built a full-stack Web application in JavaScript: an online level editor that serves as a Web community for 2D game map creators.
- Developed the back-end code using MongoDB, Express, and Node.js, facilitating seamless API requests/responses for collaborative tileset and map creation.
- Built much of the front-end UI/UX design using React, which streamlined customer experience and shared user content on our platform.

Us and Them, Ren'Py game jam project, Itch.io, 2023 | Ren'Py | https://xander1230.itch.io/us-and-them
- In March 2023, as part of Stony Brook University's Ren'Py Competition 2023, my team created a visual novel that won first place in under one week.
- Wrote all the Python code using the Ren'Py Visual Novel Engine and co-wrote the story.
- Impressed the judges with its technical merit including Tom Rothamel, founder of the Ren'Py visual novel engine.

EDUCATION

Bachelor of Computer Science, Stony Brook University, May 2023

Related Coursework: Java Programming, C++, Data Structures, Data Science, Object-Oriented Design, Principles of Database Systems, Assembly Language Programming, Computer Organization & Architecture, Compiler Design, Scripting Languages, Computer Networks, Game Programming

EXPERIENCE

Pear Deck Tutor

Intermediate Computer Science Tutor   October 2023 - Present
- After college, I began tutoring hundreds of students across the country in Java and Python.
- Acknowledged by many students for effectively communicating difficult concepts for college-level assignments and lessons.

SKILLS

- **Programming Languages:** JavaScript/TypeScript, Python 2/3, HTML, Java, CSS, MySQL, C, C++, C#, GDScript
- **Frameworks/Tools:** Express, Node.js, Godot, Unity, React, Git, MongoDB, Matplotlib, Pandas, sklearn
- **Additional Skills:** Machine Learning, Data Visualization Tools, Data Analysis