Sean Henry Lewis

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EDUCATION
Bachelor of Science, Mathematics & Data Science
University of Texas at Austin   May 2025 (Expected)

WORK EXPERIENCE
University of Texas at Austin - Austin, Texas   June 2021 - August 2021
UTCS Program Assistant
- Tutored Swift through Xcode to effectively design and develop apps for iOS
- Taught C++ & PID with Arduino to program a robot to navigate autonomously in the real world
- Trained others in using HTML & JavaScript with Phaser to create deployable HTML5 games

Clean Juice - Houston, Texas   June 2021 - July 2021
Juice Bar Barista
- Prepared drinks for customers in fast-paced work environment, communicated bilingually

Subway - Houston, Texas   June 2019 - July 2019
Sandwich Artisan
- Operated billing transactions successfully, ensured customer service and satisfaction

PROJECTS
RPG Wurdle (GDScript, Solo)   May 2022
- Developed and published a mobile game on the Google Play Store & Amazon Appstore, implemented custom Google Play achievements using REST APIs, integrated full Google Play Games support within the app
- Used Android Preferences to create saved game states, coded a Wordle game with aesthetically pleasing elements, animations, and a clean user interface

Various Websites (HTML/CSS/JS, Solo)   May 2022 - Present
- Constructed various websites using HTML & CSS for my Github projects, deployed using Google Firebase

Various Games (Python/C#/GDScript/C++, Solo)   December 2019 - Present
- Built, developed, designed, and published various games on Github, Google Play, Amazon Appstore, etc. Implemented UI, enemy AI, & occlusion culling to procedural generation, quest systems, & animations.

Minesweeper (Python, Team)   November 2021
- Designed Minesweeper from scratch in Python, with additions such as high-scores and ending animations
- Built with Python packages and the visuals were implemented using SDL

SKILLS
Java & JavaScript	Python & Pandas	GDScript
English and Spanish Fluency	C# & C++	HTML & CSS

RELEVANT COURSEWORK
Engineering Computation	Computer Science I & II	Probability and Statistics
Physics and Mechanics	Multivariable Calculus	Linear Algebra

LEADERSHIP EXPERIENCE & ORGANIZATIONS
Eagle Scout   March 2020
- Constructed a large wood and wire mesh animal habitation for the Texas Wildlife Rehabilitation Council
- Managed a group of 14 scouts to work on my project

Mental Health Awareness Advisor, Memorial High School   August 2019 - May 2020
- Helped organize mental health discussions, facilitated mental health awareness and issue advocacy