Brian Loewe

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https://bloewe21.github.io/Portfolio-Website/

TECHNICAL SKILLS

Languages | Backend: Python, C++, C#, Java, SQL **| Frontend:** HTML, CSS, JavaScript, React
OS and Software | Windows, Linux, GitHub, Microsoft Office, Firebase, Unity, Unreal, Docker
Other | AWS, pandas, scikit-learn, Ableton, Aseprite

PROJECTS

Discord Clone
- Created a Discord-like website that allows users to create servers and chat online
- Implemented Firebase for database management and Redux for the UI and UX

A Pair of Feathers Squawk Together
- Unity project published to Steam, created as a solo developer over 5 months
- Used C#, OOP concepts, and Unity's interface to program a 2D platformer with physics

Connect Four AI
- Developed a machine learning algorithm to predict the results of a Connect Four game based on game state and piece positions
- Used pandas and scikit-learn to generate KNN, SVM, and Naive Bayes models, achieving 77% accuracy

Portfolio Website
- Made using HTML, Tailwind CSS, and React JS to organize and display my work

WORK EXPERIENCE

Game Developer - HealindHand Tech   Sep 2024 - Present
- Develop prototypes and builds for games in Unity 3D that provide physical therapy experiences

Coding / STEM Instructor - Code Ninjas   Jan 2024 - Present
- Assist and instruct young students on game-making coding-courses using JavaScript and Unity

EDUCATION

Bachelor of Science, Computer Science   Aug 2019 - May 2023
California State University, Fullerton (CSUF)
Graduated Magna Cum Laude (GPA 3.8)

COURSEWORK

Game Design	Data Structures	Computer System Architecture
Artificial Intelligence	Algorithm Engineering	File Structure and Database
Introduction to Machine Learning	Operating Systems Concepts	Software Design

ADDITIONAL INFORMATION

Awards/Activities

California Scholarship Federation Member	AP Scholar with Honors
CSUF Dean's Honor List (2019-2023)	CSUF - Graduated Magna Cum Laude (GPA 3.8)

Certifications

Java Programming and Software Engineering Fundamentals
AWS Fundamentals Specialization