BRIAN WANG

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EDUCATION

University of California, Berkeley
Electrical Engineering and Computer Science

PROFESSIONAL EXPERIENCE

3D Game Developer Teacher Intern @ Coding Stem Academy   **Jan 2022 - June 2025**
- Taught high school students Unity, Gimp, C#, and game design principles
- Streamlined project workflows & lesson plans, teaching over 20 students
- Led a team in successfully delivering a game projects for IgniteCS before due date.

Virtual Medical Missions CS Lead Intern | Now CS Mentor   **July 2024 - Present**
- Managed project timelines, reducing delivery times by ~30%.
- Developed Website & EMR system back-end utilizing Quart/Flask Python, PostgreSQL
- Collaborated with cross-functional teams, enhancing project success rates by ~70%.
- Stayed when CS team collapsed; held workshops & brought life back to VMM

Project Agile Lead Game Developer   **July 2022 - Present**
- Lead indie game studios Agile Studios, accumulating over 60k views on YouTube
- Wrote 10k+ lines of code with over 200+ hours of development
- Lead 10+ team members at studio's peak
- Started a Community server with over 200+ members

Encryption Algorithm Researcher   **Sep. 2022 - Oct. 2022**
- Encryption/decryption of bits by mirroring, half/full reversal horizontally/vertically
- Full project research paper presented to eSTEM Academy & Congressional App
- Led teams of 3 & 4 (respectively) with a co-developer

PROJECTS

CVision: Serverless Resume Screening
- Developed a full-stack web application utilizing AWS and NextJS
- Stored raw data in AWS S3; screened data in DynamoDB
- Screened resumes with Keywords & Regex in Python using AWS Lambda

NaviGaze: Python-based AI Assistance for Computer Navigation
- Developed an AI assistant to recognize speech
- Uses face to move cursor on computer & voice to confirm actions
- Used mediapipe, pyautogui, speech_recognition, webbrowser libraries

Food Image AI Predictor
- Utilized Tensorflow & Keras to develop an AI model
- Fed AI 22k images using Edward Zhang's Fruit Classification Dataset
- Tested over 1.6k images with ~95% accuracy with 30 epochs

TECHNICAL SKILLS

- **Technical Skills:** Project Management, Structural Analysis, Robotics and Automation, CAD
- **Languages:** Java, C++, Python, JS/X, Dart, Bootstrap, Tailwind, PostreSQL, LuaU
- **Certifications:** Google - Cybersecurity | IT Automation w/ Python | IT Support Professional
- **Frameworks/Tools:** React, NextJS, Flask, Ollama, AWS, Flutter, Jupyter Notebook, Git, VSCode