Ziv Weissman

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EDUCATION

University of California, Santa Barbara — *BS in Computing (Computer Science), College of Creative Studies*   June 2026
— GPA: 4.0/4.0

Relevant Coursework 2022-2023:
- Computer Architecture, Data Structures and Algorithms, Introduction to Computer Communication Networks, Multivariable Calculus, Probability and Statistics, Physics Colloquium, Computer Organization and Digital Logic Design, Discrete Math, Programming Lab I, Programming Lab II, Linear Algebra, Computer Programming and Organization

Foothill-De Anza Community College District — GPA: 4.0/4.0

Summer Classes: Introduction to Linux, Ceramics & Sculpture, Math

Palo Alto High School — *Palo Alto, CA* — GPA: 4.20/4.0   June 2022
Relevant Coursework: AP CS A, AP Physics C: E&M, AP Physics C: Mechanics, AP Calculus BC, AP Statistics, AP English Language and Composition

SKILLS

Languages: C++, JavaScript, Node.js & React.js, SQL, Bash, Python, MIPS Assembly, & PHP
Other Relevant Skills: Unreal Engine Game Dev, Test-Driven Development with Jest, & Fluent Hebrew Speaker

Experience & Accomplishments

First Place Winner, CHI 2021 Student Game Competition
- Developed an engaging Zombie Shooter Video Game with alternative controls for those with physical disabilities
- Won first place at the 2021 Computer Human Interface Conference Student Game Competition
- Created pipelines to connect software on different platforms
- Connected my research partner's facial expression detection AI as input for Unreal Engine

Publications

Taheri A, Weissman Z and Sra M (2021) Design and Evaluation of a Hands-Free Video Game Controller for Individuals With Motor Impairments. Front. Comput. Sci. 3:751455. doi: 10.3389/fcomp.2021.751455
- Conference version appeared in Augmented Humans '21

Most Recent Activity

Blockchain from Scratch, Github Repo
- Used Node.js and Express to develop an API for distributed computers to run a Bitcoin copy
- Created a front end with Express.js

AI Poem Sharing Social Media, Github Repo
- Designed and implemented from scratch a Node.js, Express, and MySQL backend and a React.js frontend
- Functional social media site with security implementations and cookie handling for sharing text generated by AI

Other Involvements
- High School water polo team captain and set defense
- youth programming, physics, math, and game development tutoring
- experience with LAMP stack
- VR development on Godot Game Engine and Unity with python and C# respectively
- CTF and Security Practice on pwn.college