David Diaz

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EDUCATION

B.S Computer Science: Game Design   **Sept. 2019 - June 2023**
University of California Santa Cruz   **GPA 3.83 Dean's List for 7 Quarters**

RELEVANT COURSEWORK

- Game Design Foundations
- Visual Communication and Interaction Design
- Python Programming
- Computer systems and C Programming
- Advanced C++ Programming
- Creative Design Strategies
- Computer Graphics in WebGL
- Interactive Storytelling

- Data Structures and Algorithms
- Game AI
- Critical History of Digital Games
- Calculus
- Mathematical Methods
- Discrete Math
- Game Systems

COMPUTER SKILLS

LANGUAGES
- C/C++
- C#
- Python
- HTML
- Javascript

APPLICATIONS
- Unity
- Word
- Sheets
- GitHub Desktop

VERSION CONTROL
- Git

OPERATING SYSTEMS
- Windows
- UNIX

RELEVANT EXPERIENCE

Game Designer   **Spring 2020 - Present**

- Designed mechanics and effectively relayed core gameplay goals to collaborators within the UCSC games program

- Iterated upon the mechanics and art of games through multiple prototypes.

- Facilitated playtesting sessions and collected data from playtesters.

Computer Science Tutor   **Fall 2020 - Spring 2021**

- Assisted a high school student in learning key algorithms and coding practices for the development of programs for the Advanced Placement Computer Science Test.

- Advised the student through the use of pseudocode and examples of C++ code that I developed myself.

Summer Camp Counselor   **Summer 2021**

- Facilitated learning games and activities for groups of kids enrolled in an Art and Science Camp program.

- Coordinated with a team of other counselors to ensure that all activities were prepared and executed within the camp's allotted time period.

EXTRACURRICULAR ACTIVITIES

Game Design and Art Collaboration   **Fall 2021 - Present**

- Collaborating with other students to create a game and build programming skills over the school year.

Eagle Scout   **Spring 2019**

- Spearheaded the creation of 3 benches for a local elementary school and Delegated construction tasks between 3 teams to ensure the project was completed on time.

- Managed my boy scout troop through the position of Senior Patrol Leader planning outings and events.