

David Diaz

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EDUCATION **B.S Computer Science: Game Design**
University of California Santa Cruz

Sept. 2019 - June 2023
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#
- Javascript
- Python
- HTML

APPLICATIONS

- Unity
- Google Docs
- Google Sheets
- GitHub Desktop
- 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.
- Developed C++ code examples and pseudocode to advise the student.

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.

EXTRACURRICULAR ACTIVITIES

Game Design and Art Collaboration

Fall 2021 - Spring 2023

- 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.