

David Diaz

(916) 704-2816 · didiaz@ucsc.edu

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

Sept. 2019 - June 2023
GPA 3.79 Dean's List for 4 Quarters

RELEVANT COURSEWORK

- Game Design Foundations
- Visual Communication and Interaction Design
- Python Programming
- Computer systems and C Programming
- Advanced C++ Programming
- Creative Design Strategies
- Data Structures and Algorithms
- Game AI
- Critical History of Digital Games
- Calculus
- Mathematical Methods
- Discrete Math

COMPUTER SKILLS

LANGUAGES

- C/C++
- C#
- Python
- HTML

APPLICATIONS

- Unity
- Word
- GitHub Desktop

VERSION CONTROL

- Git

OPERATING SYSTEMS

- Windows
- UNIX

RELEVANT EXPERIENCE

Card Game Designer

Spring 2021

- Designed the mechanics and interactions between each card in my game Growing Gardens.
- Iterated upon the mechanics and art of the game through multiple successive 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 first-person horror game over the course of the coming 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.