SAMANTHA CRUZ

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EDUCATION & ACADEMIC PERFORMANCE

Cornell University, College of Arts and Sciences, Ithaca, NY
Anticipated Major: Computer Science
Class of 2028, 4.12/4.3 GPA
Current Coursework: CS 1110: Python, INFO 1998: Trends in Web
Extracurricular Activities: Circle K, Alpha Phi Omega, WebDev Project Team

PROJECTS

Developer || cruzcodes.com | Turtleburg | Sandcastle Tycoon (2020-Present)
- o Developed web application to showcase creative technical projects, utilizing JavaScript, HTML, and CSS for dynamic content management.
- o Created educational games using P5.js, Python, and the Godot Engine, focusing on interactive learning and entertainment.
- o Tech Stack: React, Firebase, HTML5, CSS, JavaScript, TypeScript, Python, & Godot Engine.

Sandcastle Tycoon || Simulation Game on Shoreline Erosion (2024)
- o Created a simulation game that teaches players about shoreline erosion and how dunes can prevent erosion. An intuitive, educational experience.
- o The game challenges players to build and protect a sandcastle from erosion by implementing sustainable practices, teaching players about environmental preservation through play.
- o Tools: JavaScript, P5.js, HTML, and CSS.

Turtleburg || RPG on Water Conservation (2022)
- o Developed an hour-long educational RPG focused on raising awareness about the water crisis and promoting sustainable water usage.
- o Players take on the role of a plumber helping a community prepare for their natal homing ceremony by fixing their water supply issues.
- o The game emphasizes interactive storytelling to engage players in real-world environmental issues.
- o Tools: Godot Engine, Python, Aseprite.

COMMUNITY SERVICE

Co-Chapter Head || Letters for Rose (Dec. 2021- Jun. 2024)
- o Led the North Broward County chapter, coordinating efforts across 8 cities to produce and distribute 100+ personalized letters each season to local nursing homes.
- o Organized events and managed logistics, demonstrating leadership and fostering community engagement.

SKILLS

- **Programming Languages:** Python, GDScript, Java, JavaScript, TypeScript, HTML5, and CSS.
- **Game Development Tools:** Godot Engine, Aseprite, Python, FireBase and P5.JS.
- **Web Development Tools:** React, Firebase, HTML, CSS, JavaScript, & TypeScript.
- **3D Printing & Design:** 3D modeling, additive manufacturing, material selection, & machine configuration.

HONORS AND AWARDS

- **National Code/Art Game Design Finalist**
- **Girls who Code Game Dev Scholar / Kode with Klossy Web Dev Scholar**
- **The Gates Scholarship Foundation Scholar / Hispanic Scholarship Fund Scholar**