

Alex Smith

Technical Game Designer

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Skills

Programming:

- Unreal visual scripting
- C++
- C#

Game Design:

- Unreal Engine 4/5
- Mechanics Design
- Saving & loading
- Project Management

Work Experiences

Undergraduate Research Assistant

August 2021 - September 2023

Gorilla Bay, CETARL Project Education for All

- Designed quest mechanics, photo taking features, and a character customization system.
- Developed four science-based modules covering the solar system, physics, ecosystem, and body.
- Utilized the localization dashboard to incorporate and switch between language translations.
- Collaborated with professors from diverse academic backgrounds including linguistics, engineering, and english

Projects

Technical Game Designer

May 2023 - April 2024

Droplette

- Developed unique locomotion and projectile mechanics for all four of the players main abilities.
- Directed a team of 5 responsible for concept art, music, shaders, and gameplay.
- Integrated a saving and loading system with save files and new game+ features.
- Concepted and prototyped interactable mechanics such as anti-gravity mud ramps and pipes.
- Designed a boss that tests the players skills with mud ability based on previous puzzles.
- Bug fixing all player and boss mechanics to ensure a polished final product.

Developer

May 2022 - June 2022

Axe Throwing Scoreboard

- Designed an axe throwing scoreboard intended solely for a local business.
- Implemented five game modes and three themes within the game.
- Concepted and prototyped app for testing before publishing within a tight deadline.
- Achieved over 16,000 impressions, selling over 100 units on the apple store without marketing.

Game Designer

May 2013 - November 2021

Ocarina of Time in Minecraft

- Scripted accurate enemy and boss AI incorporating engaging behaviors and cutscenes.
- Developed all aspects of creation such as programming along with modeling and music.
- Applied alternative methods of gameplay that remain faithful to the original game like currency.
- Achieved over 23,000 downloads within the initial year of release.

Education

Wichita State University

August 2020 - May 2023

- Bachelor of Arts - Media Arts with Specialization in Game Design.
- Graduated in 3 years with a 3.945 Overall GPA.