

Thomas Applewhite

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EDUCATION

Bachelor of Science in Computer Game Design

University of California, Santa Cruz

August 2021

SKILLS

Software and Development: Unity, Git, Unix, Phaser 3, JavaFX, Construct 3, OBS, UE4, UE5

Programming Languages: C++, C#, JavaScript, Python, Java, C, HTML

EMPLOYMENT

Software Engineer I – GameSim Inc.

October 2021 – Present

- Formerly Marching Cube

Unity Programmer – Independent Contracting

July 2021 – October 2021

Reader/Tutor – Baskin School of Engineering

January 2020 – June 2021

- Tutored undergraduates in lower and upper division game design classes

Instructor – iD Tech

June 2019 – August 2019

PROJECTS

Unannounced Project – GameSim Inc.

November 2021 – Present

Skein – Independent Contracting

July 2021 – November 2021

- Developed robust, dynamic, and non-euclidian 3D Maze system with pathfinding support
- Adapted first-party and third-party code to fulfill technical and aesthetic goals

Gods of Corruption – Senior Capstone Project

October 2020 – June 2021

- Prototyped core systems for new game concept
- Designed system architecture as a base for further development
- Made major contributions to core gameplay by programming bosses and generic systems

DARKWORLD's Descent – Game Design & Development Experience

April 2020 – June 2020

- Designed and developed the entire codebase of the game (not including frameworks)
- Created pipelines early on for easy asset implementation late in development

Five Stars in the Dark – Senior Capstone Project

January 2020 – June 2020

- Developed specialized audio systems for exceptional stereo audio in-game
- Upgraded player-tracking systems for improving in-game responses to player actions
- Received Technical Innovation Award at UCSC Showcase of Games 2020