

# Thomas Applewhite

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## EDUCATION

**Bachelor of Science in Computer Game Design** with Honors  
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

**Game Engineer** – Arctic 7

January 2023 – Present

**Software Engineer I** – GameSim Inc.

October 2021 – January 2023

- Formerly Marching Cube

**Unity Programmer** – Independent Contracting

July 2021 – October 2021

## PROJECTS

**Unannounced Project** – Arctic7

January 2023 – Present

**Illumination's Villain-Con Minion Blast** – GameSim Inc.

November 2021 – January 2023

- Ownership of legacy, project-critical online and networking functionality
- Primary support engineer for technical artists for gameplay-driven visual effects
- Traveled to work onsite in client spaces to assist and lead critical development

**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