
Dakota Hernandez

Gameplay Engineer

San Francisco, CA

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EXPERIENCE

Gameplay Engineer, 1047 Games - *Remote (San Francisco, CA)*

August 2023 - PRESENT

- Implemented gameplay concepts in Unreal Engine with exposure to technologies such as Gameplay Ability System (GAS), Iris networking, and Enhanced Input.
- Integrated features with a model-view-viewmodel (MVVM) UI framework and pioneered an initiative to onboard our team of 10+ gameplay engineers to our tech.
- Supported a live service team through a global cross-platform release to over 4M players by monitoring critical issues and rapidly iterating on hotfixes and regular content updates.

Software Engineering Intern, Google - *Sunnyvale, CA*

May 2022 - August 2022

- Experimented with open-source firmware update solutions written in C to conduct firmware updates in Google datacenters.
- Augmented an open-source tool to support our target device that can read and write arbitrary firmware blobs to memory.
- Documented process in markdown and created a setup guide for future engineers to extend the project to more devices in the future.

Research Assistant, Carnegie Mellon University - *Remote (Pittsburgh, PA)*

January 2021 - May 2021

- Developed Bloomwood Stories: Block Party, a visual novel in Unity for a research project at CMU with an interdisciplinary team of seventeen people over five months.
- Leveraged several visual novel development tools to streamline the implementation process for our writing team and worked directly with developers to fix bugs in the tools.
- Designed and implemented a system for tracking quest progress across multiple NPCs throughout the novel's story chapters.

EDUCATION

B.S. Computer Science, Carnegie Mellon University - *Pittsburgh, PA*

May 2023

Graduated with University Honors (3.78 Cumulative GPA) and a Game Design Minor.

AWARDS

- **Informational Learning Finalist, "Bloomwood Stories: Block Party"** - *2021 Gee Awards*
- **President and Snowboarding Captain** - *CMU Alpine Racing and Freestyle Team*
- **Andrew Carnegie Society Scholar** - *Carnegie Mellon University*
- **Philanthropy Chairman** - *Sigma Nu Fraternity Delta Sigma Chapter*

INTERESTS

Counter-Strike, Snowboarding, Running, Softball, Formula 1