

## Skills

- C#, C++, C, Python
- Unity, Unreal, Custom Engine
- Mobile, PC, Nintendo Switch development
- Unity UI layout and optimization
- Object-Oriented Programming, Debugging, Serialization, Algorithm Analysis
- Client side front-end/back-end development

## Work Experience

### Software Engineer – *Perfect Day Games*

#### Unity 2023.3 – 5/23 to Present

- Priorities work across 3 separate projects, context switching and adapting to meet the needs of both the team and our players.
- Worked on post launch features such as Battle Pass, PvP Combat, and Idle Missions, delivering strong gameplay features without breaking existing systems.
- Utilized Unity UI's API to build an optimized scroll container, improving frame rate during UI intensive scenes by over 70%.
- Identifies potential risks during product planning and documents potential solutions to improve prototyping.
- Develops scalable client-side systems on multiple projects, supporting cross discipline developers during development and post launch.
- Writes and maintains Technical Design Documents detailing implementation requirements for both client and server, improving communication between the client and server teams.

## Projects

### Software Engineer – *The Descent*

#### Unreal 5.1 – 9/22 to 5/23

- Researched and used new Unreal A.I. features, expanding my knowledge of the system while feeding my curiosity.

### Engine Programmer – *Urban Experiment*

#### C++ NX Dev Tools – 9/22 to 12/22

- Created a render system on the Nintendo Switch using system-specific libraries to learn how to create a game on a closed system.
- Implemented a multi-platform input system to allow for quick iteration of gameplay using keyboard and mouse, removing the need to play only on the Nintendo Switch.

## Education

Bachelor of Science in Computer Science and Game Design – *DigiPen Institute of Technology* - Graduated 4/23

## Volunteering

Peer Facilitator – *Peer Seattle* – 12/25 to Present

- Organizes and facilitates a support group for gender-non-conforming individuals, ensuring a mutual level of respect and listening to help everyone feel welcome.