

# TIMOTHY DEUTSCH

## Programmer

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North Royalton, Ohio

## SUMMARY

I am an aspiring and motivated game developer who is eager to gain industry experience to further my skills as a developer. I am a patient and open-minded problem solver who has an assortment of experiences with different programming technologies.

## PROFESSIONAL EXPERIENCE

### Software Developer Intern

#### Hyland Software

06/2020 - 08/2020 Virtually due to COVID-19

Developer of OnBase, a content management and process management software suite.

- Worked on development in Hyland's RD in the Integration and Apps Department.

## PROJECTS

### Legend of Zelda (NES) Dungeon 1

#### Recreation with MonoGame

01/2020 - 05/2020

Completed with a group of five using sprints to manage completed work and goals.

- Created a custom sprite interface and sprite factories to enable other group members to draw and animate sprites
- Created a loader system to load in the dungeon rooms from XML files allowing quick creation of new dungeon rooms and editing of dungeon layout
- Custom stat system for Link with leveling and experience

### Haunted Electrician

#### OSU Capstone

01/2022 - 05/2022

Game developed in Unity following an electrician restoring the electricity of a haunted mansion.

- Developed a behavior tree in C# to create an AI to hunt and chase the player
- Management of game states for different input and transitioning of levels
- Encapsulation of player input to work along with Unity Input System

## EDUCATION

### Bachelor of Science: Computer & Information Science

#### Ohio State University

09/2018 - 08/2022 Columbus, Ohio

- Specialization: Computer Graphics & Game Design

### Programming & Software Development

#### Cuyahoga Valley Career Center

09/2016 - 05/2018 Brecksville, Ohio

## HARD-SKILLS

Unreal Engine

Unity

C++

C#

Git

OpenGL/WebGL

Python

Java

MonoGame

## SOFT-SKILLS



### Problem Solver / Critical Thinker

Enjoys solving logical problems and employs critical thinking skills to find varying methods before approaching a final solution



### Patient

Will observe all facets of a problem for the most optimal solution.



### Open-minded

Understands that the first solution is not the final solution and is willing to let go of current practices for more will fit solutions.

## HOBBIES



### Game Dev



### Drawing



### Learning Japanese

## AWARDS / HONORS

### Ohio State University Dean's List

09/2018 - 05/2019

Maintained a 3.5+ GPA each semester

### National Technical Honor Society

09/2016 - 05/2018

Maintained a 3.0+ GPA each academic year at the Cuyahoga Valley Career Center