

ETHAN MOYER

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Education

The Pennsylvania State University, University Park, PA
Bachelor of Science in Computer Science, May 2024
Minor in Japanese Language
Cumulative GPA: 3.99/4.00
Dean's List: Fall 2020, Spring 2021, Fall 2021, Spring 2022

Skills

Most Experience

Python, C#, Unity

Some Experience

JavaScript, HTML, CSS, Java, SQL, C++, Godot/GDScript

Projects

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- **FPS Demo** April-September 2021
 - Developed a four person local-multiplayer first person shooter.
 - Worked with the Unity game engine and wrote code in C#.
 - Implemented state machine pattern for character actions, and a system to play audio for multiple players.
 - **Small Fighter** April-August 2022
 - Developed a two person fighting game using the Unity game engine and C#.
 - Implemented input buffer to execute actions depending on the input sequence.
 - Created system to execute actions stored in Scriptable Objects and execute movements, check for fighter collisions frame by frame.
 - **Portfolio Website** July 2021
 - Developed a personal website to display projects.
 - Created web pages using the static site generator 11ty and the CSS framework Bulma for styling.
 - Wrote page templates in Liquid and page content in Markdown, to generate pages.

Work Experience

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- **Penn State University Learning Assistant**
 - May-August 2022
 - Worked with two professors as a learning assistant for an introductory computer science course (CMPSC 101).
 - Graded student's Python programming projects and assignments.
 - Assisted students via email and virtual meetings on Zoom.