

James McManus

617-792-5861 | mcmanus.j@northeastern.edu | [jmcmanusx47.github.io](https://github.com/jmcmanusx47) | [LinkedIn](#) | Boston, MA 02115

Education

Northeastern University, Khoury College of Computer Sciences

Expected May 2023

Honors Bachelor of Science in Computer Science and Game Development

Boston, MA

GPA: 3.55/4.0 | Dean's List

Coursework: Networks and Distributed Systems | Computer Graphics | Algorithms and Data
Object-Oriented Design | Computer Systems | Programming in C++ | Discrete Structures (HON)
Level Design & Game Architecture | Game Programming | Game Studio | Game Interface Design

Technical Skills

Languages: Java | C++ | C# | Python | C | DrRacket

Systems: Windows | Linux | Debian

Software & Libraries: Unity | Figma | Vim | Python Socket | Java Swing

Work Experience

Harvard Beth Israel Deaconess Medical Center (BIDMC), Boston MA

October 2021 - Present

Video Game UI Intern

- Working with a team of experts across multiple disciplines to create a global health crisis simulation game from the perspective of a government leader.
- Assisting with the process of creating the visuals and UI elements of the game.

Projects

Wizard Game Demo

- Developed an indie, infinite scrolling wizard bullet hell game in Unity.
- Designed and implemented all bosses and their environments, as well as a cinematic trailer for the game.
- Closely collaborated with a team of three by delegating tasks and performing code reviews.

Animator

- Co-Created a program in Java that takes in shapes and their movements and creates an animation, then plays it in formats such as visual, textual, and scalable vector graphics.
- Iterated upon initial version for weeks, implementing new features and improving framework.

Antithesis

- Designed UI elements for a synchronous Virtual Reality and Desktop game, where the VR player escapes monsters placed by the desktop player and completes objectives.
- Conceptualized and prototyped the UI for the desktop player using Figma and conducted surveys on clarity and intuitiveness.
- Worked in a team of three, learning UI processes and workflow in a short period of time.

Activities and Interests

NU Club Fencing: Competitive Sabre Fencer

Activities: Fencing | Powerlifting | Music Production | Clarinet | Carpentry | Ceramics | Real-Time Strategy Video Games

References available upon request