

# James McManus

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Availability for Co-op: May - December 2021

## Education

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Northeastern University, Boston, MA

Sept. 2019 - Present

Khoury College of Computer Sciences

May 2023

*Candidate for a Bachelor of Science in Computer Science and Game Development*

Honors: 3.56/4.0 | Dean's List | Honors Program

Coursework: Algorithms and Data | Object-Oriented Design | Computer Systems | Fundamentals of Computer Science 1 & 2 | Programming in C++ | Discrete Structures (HON) | Game Programming | Foundations of Game Design | Game Studio | Game Interface Design

## Computer Knowledge

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

Systems: Windows | Linux | Debian

Software: IntelliJ | Unity | Visual Studio | Eclipse | Vim

## Projects

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DinoWave

December 2020 - Present

- Program an indie-developed Vaporwave-esque Dinosaur fighting game.
- Implemented a health, attack, and element system for subunits that the player controls.
- Working in a team of seven, dividing work amongst the team and reviewing each other's code.

Animator

November – December 2020

- Co-Created a program that takes in shapes and their movements and creates an animation out of that information, and 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

November – December 2020

- 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 and conducted surveys on clarity and intuitiveness.
- Worked in a team of three, learning UI processes and workflow in a short period of time.

## Work Experience

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Linnaean Street Community School, Cambridge MA

Summers 2014 - 2018

Camp Counselor

- Supervised and participated with campers during activities, lunch, and field trips, ensured campers' safety and enjoyment of camp services.
- Worked in teams of two or more counselors for every activity in camp.
- Assisted in planning the logistics of field trips and worked with campers to improve and create future trips.

## Activities and Interests

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NU Club Fencing: Participate in practices and tournaments for the Sabre team.

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

*References available upon request*