

# Jonathan Karcher

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## **Objective**

Seeking a development co-op using programming skills in C++, C#, Java or Web Development.  
Open Availability.

## **EDUCATION** GPA: 3.4

### **Rochester Institute of Technology (RIT)**

*Bachelor of Science, Game Design and Development*

Expected 2023

Rochester, NY

### **Finger Lakes Community College (FLCC)**

*Associate in Applied Science, Game Programming and Design*

May 2020

Canandaigua, NY

### **Finger Lakes Community College (FLCC)**

*Associate in Applied Science, Criminal Justice* Canandaigua, NY

December 2012

## **SKILLS**

**Programming Languages:** C#, C++, Java, HTML, CSS, Javascript, HLSL (Cg), GML

**Tools:** Visual Studio, Unity, Maya, GitHub, Photoshop, After Effects, MongoDB, Heroku

**Methods:** Object Oriented Programming (OOP) and Data Oriented Programming (DOP)

## **PROJECTS**

### **Alpha Centauri (Academic Project)**

December 2021

- Developed a multistage first-person space dog fighting simulator in Unity.
- Implemented all gameplay mechanics including, modifications to the physics system, UI design, file management, and entity AI.
- Designed all models used.

### **Rabid Rize (Academic Project)**

May 2020

- Led a team of 4 in developing a turn-based strategy survival vertical slice in Unity.
- Designed movement, entity management, custom shaders, skill and equipment trees, and a custom file management system.
- Handled rapid and permanent changes to the workflow process mid-project at the onset of covid-19.

### **Zedmass (Personal Project)**

November 2019

- Created an open world first person shooter in celebration of an event also called Zedmass for friends in Unity.
- Designed movement, combat, interaction, and collectible management systems.

## **WORK EXPERIENCE**

### **Wendy's**

June 2017–Present

*Crew Member*

Geneva, NY

- Provide excellent customer service and public relations.
- Work with a team to maintain health and safety standards for our customers.
- Collaborate with supervisors to coach and train new team members in food safety procedures and safe handling, storage, and disposal of hazardous materials.