

# David Patch

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## Objective

Seeking a software development co-op using programming skills in C++, C#, or a similar language.

**Available May 2020 – August 2020.**

## Education

**Rochester Institute of Technology (RIT)**, Rochester, NY

Expected May 2021

*Bachelor of Science, Game Design and Development*

**GPA: 3.9**

*Related Courses:* Data Structures & Algorithms in C++, Algorithmic Problem Solving in C#,  
Interactive Media Development in Unity, Web Development, Communication

## Skills

**Programming Languages:** C#, C++, Java, HTML, CSS, JavaScript

**Tools:** Git, Visual Studio, Unity, Trello

**Other:** Light experience with Scrum

## Projects

**Two Gnomes in a Trenchcoat** (*studio project*)

September 2019-present

- Partner project for *Experimental Gameplay Research Studio* course.
- Created in Unity using C#.
- It is a cooperative game with no visuals at all. All stimuli come through sound.
- Both players have access to two buttons and a shared set of headphones. Player 1 uses the right side of the headphones, and player 2 uses the left. Players hear independent audio and must react with quick thinking and communication to pass challenges.

**DSA1 Maze Project** (*academic project*)

February-April 2019

- Partner project for *Data Structures and Algorithms* course.
- Created in Visual Studio using C++.
- Used A\* pathfinding to visually display a circle moving through a maze.

**Grave Escape** (*academic project*)

September-October 2018

- One of a team of five tasked with making a halloween-themed game in five weeks.
- Created in Unity using C#.
- I focused on sound design, making ambient wind effects, menu sounds, and enemy skeleton sounds.
- I also worked on the menu system and obstacle avoidance.

## Work Experience

**Busser - Red Robin**

June-August 2017

- Worked with a team to maintain a clean and safe environment for guests.

## Activities and Interests

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|--|------------------------|
| • RIT Pep Band - Conductor for 2019-2020               | September 2017-present |
| • Game Symphony Orchestra                              | September 2017-present |
| • RIT Concert Band                                     | September 2017-present |
| • RIT Jazz Ensemble                                    | September 2017-2019    |
| • PC Hardware – experience building personal computers |                        |