

# Jack Campanale

College student looking to apply skills in an internship in the field of Computer Science

## Contact

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## Education

**Worcester Polytechnic Institute:**

2019 – 2023

BS: Computer Science &  
Game Development

GPA: 3.5

## Skills

React  
Javascript  
HTML  
CSS  
C++  
C  
Java  
Python  
Linux  
Windows  
Unity  
Microsoft Office

## Experience

*08/2021 - Current*

Pharmacy Technician • CVS Pharmacy

Process patient prescriptions in a timely manner. Price prescriptions and handle customer transactions. Help with any issues regarding prescriptions

*09/2019 - Current*

Office Assistant • WPI Alumni Relations Office

Create spreadsheets in Microsoft Excel, operate office equipment such as photocopiers and scanners, help coordinate projects for alumni

*09/2018 – 01/2021*

Cashier • Jed's Hardware and Garden Center

Processed transactions for customers, stocked items on store shelves, helped customers find exactly what they need

## Projects

### Simon Says Memory Game (React):

- Worked on a team to develop a Simon Says type memory game using the React framework
- Technologies include Express server framework for Node JS, Passport.js for user authentication, MongoDB to store user data.
- I created the GUI with animations and custom made SVG's, tested for accessibility using lighthouse

### Overlay Network with UDP Sockets (C++/Linux):

- Developed an Overlay Network with a partner that utilizes three end-hosts and three routers on Linux VM's
- Connection established with UDP Sockets
- Packets sent include manually created overlay header and 1000-byte data payloads
- Routers utilize Drop Tail Queueing

### ASCII Text Based Game Engine and Games (C++/Windows):

- Built a fully functional game engine with ASCII text based graphics
- Utilized Simple and Fast Multimedia Library for sound and Visual Studio for the window
- Developed two games for the engine, one being developed and released by myself and a partner