Jack Campanale

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OBJECTIVE:

Bachelor of Science in Computer Science (December 2022) looking to apply skills in the field of Computer Science

EDUCATION:

Worcester Polytechnic Institute (WPI), Worcester, MA

Bachelor of Science in Computer Science + Minor in Game Development, 3.6/4.0, December 2022

PROJECTS:

Tale of the Wand Guy: Back-Alley Magic (UE4/C++):

- Worked on a team to develop an Endless Runner with "reverse roguelike" aspects using UE4
- Created game in seven weeks, including an alpha and beta build, applying playtesting data from the alpha to improve the beta
- Website for this project can be found **here**

Simon Says Memory Game (React):

- Collaborated with others to develop a Simon Says type memory game utilizing the React Framework
- Technologies used comprise of an Express server framework for Node.js, Passport.js for user authentication, MongoDB to store user data
- A video demo of this project can be found **here**

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

- Developed an Overlay Network with a partner that makes use of 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

EXPERIENCE:

Technology Development Program Intern | Optum | 06/2022 – 08/2022

- Worked on a team of interns to create a DevOps dashboard for a team of Optum Developers.
- Developed using the Next.js framework for the frontend and AWS services like Lambda, API Gateway, CDK, and DynamoDB for the backend.
- Collaborated with Optum Developers to ensure the application was useful for debugging.

Pharmacy Technician | CVS Pharmacy | 08/2021 – 05/2022

- Processed patient prescriptions in a timely manner. Priced prescriptions and handled customer transactions. Helped with any issues regarding prescriptions.

Office Assistant | WPI Alumni Relations Office | 09/2019 – 05/2021

- Created spreadsheets in Microsoft Excel. Operated office equipment such as photocopiers and scanners. Helped coordinate projects for WPI alumni with several coworkers.

SKILLS:

C++, C, Java, Python, Linux, HTML/CSS/JS, TS, React, Next.js, Node.js, MongoDB, AWS, GitHub, UE4, Unity