

CATHERINE QUACH

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EDUCATION

Boston University, MA
B.A. in Computer Science

May 2023

JOB EXPERIENCE

M.K. Services

Software Engineer (Intern)

June 2018 - June 2021

Middleton, MA

- Handling ERP system to manage database of customers and supplier to effectively schedule the sequence of operations.
- Worked on a project to link data from ERP system to CRM system for the company.
- Assist in the administration of user access and privileges to applications/systems, ensuring that access requests are properly authorized, appropriately documented, and accurately fulfilled.
- Troubleshoot user access issues, including determining cause and implementing resolution.

PROJECTS

Profile Web Application

June 2023 - Present

- Developing a web application using MERN tech stack by building a back-end in Node.js with the Express.js framework and implemented in a database in MongoDB to store user information
- Used React to design a UI for users to register and login to their profile (using JWT authentication) and customize their profile

Portfolio Website

June 2023

- Designed a website to showcase my own project portfolio

Client's Website for Personal Business

February 2023 - March 2023

- Established a client's personal business website with HTML and CSS to showcase their artwork by arranging a portfolio into a gallery format

C2 Framework

October 2022 - December 2022

- Built a C2 framework in C++ that could store up to 10 different implants and it spoke directly to an implant on a victim machine
- Implant could make remote procedure calls, steal data from Chrome, execute commands on the terminal remotely, and encrypt data on the victim machine

Discord Bot

July 2022 - August 2022

- Developed a bot written in Python to automate an RPG with a database to store up to 100 different users' statistics, up-to-date currency, and class information

TECHNICAL STRENGTHS

Languages

C++, C, Python, Java, MATLAB, Javascript, HTML, CSS

Technologies/Tools

Docker, Git/Github, Postman, MySQL, MongoDB

Frameworks/Libraries

Node.js, Express.js, React