# CATHERINE QUACH

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## EDUCATION

**Boston University, MA** *May 2023*
B.A. in Computer Science

## JOB EXPERIENCE

**M.K. Services** June 2018 - June 2021
*Software Engineer (Intern)* *Middleton, MA*

· Handling ERP system to manage database of customers and supplier to effective 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

**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
· Maintained documentation and fixed bugs on the front-end and back-end

**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

**Photo Album Web Application** October 2021 - November 2021

· Implemented an SQL database for users to upload into the system via HTML
· Users could view different photo galleries and make user to user interaction

**Vending Machine Simulator** June 2021 - July 2021

· Drafted the simulator using use case diagrams, sequence diagrams, sequence architecture diagrams, class diagrams, state-machine diagrams, and er diagrams

## TECHNICAL STRENGTHS

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|---|---|
| **Languages** | C++, C, Python, Java, MATLAB, Javascript, HTML, CSS |
| **Technologies** | Docker, Git, MySQL |