JESSICA PHAM

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EDUCATION

Suffolk University - BS Computer Science   **2025**
Courses - Data Structures & Algorithms, Object-Oriented Programming, Database Systems, Architecture of Computer Systems, Discrete Math I & II, Probability and Statistics, Calculus I & II
Current Courses - Software Engineering, Intro to Computer Networks, Computer Operating Systems

SKILLS

Coding Languages | C/**C++**, **Java**, Python, SQL, Bash
Tools | Visual Studio Code, Qt5, QtCreator, MySQL Workbench, UML, Git/Github
Learning | Azure, Wordpress, ReactJS & NodeJS & AngularJS, Docker, Springboot
Languages | English (Fluent), Vietnamese (Fluent)

PROFESSIONAL EXPERIENCE

Sales Associate | Dairy Maid   **June 2018 - August 2018**
- Operated cash register and handled monetary transactions accurately.
- Managed inventory and restocked supplies as needed.

Office Secretary Assistant | The Joint Committee for Children's Healthcare in Everett   **October 2018 - May 2019**

Office Secretary Assistant | Suffolk Miller Hall Residence Life Office   **Sept 2021 - March 2022**
- Provided administrative support to the office by handling phone calls, emails, and other correspondence as well as maintained and organized office files, ensuring easy accessibility and confidentiality.
- Sorted and registered incoming mail

St. Clements Church Database Backend (Springboot | Java | MySQL)   **December 2023 - Present**
- Leveraged Spring Boot framework with JDBC template for seamless integration with the database layer.
- Designed and implemented the database schema to efficiently store and manage church-related data, including member information, event schedules, and financial records.
- **Developing** RESTful APIs using Spring MVC architecture and JSON for CRUD operations on church data.

PROJECTS

Mock Database Application (C++ | Qt5 | QtWidgets)   **October 2022**
- Developed a mock database application using C++ for backend logic and Qt5 QtWidgets for the GUI interface.
- Implemented features for data entry, retrieval, and basic querying.
- Utilized file handling to simulate database operations with a text file.

Utilities in C   **January 2024**
- *copy*: utilized system calls such as open, read, write, and close to handle files of arbitrary sizes in chunks, enhancing scalability and performance.
- *dir*: differentiated between files and directories, displaying the contents of a specified directory or the current directory if no directory is specified.
- Implemented error handling mechanisms using perror and exit to ensure robustness and graceful termination in case of failures.

Vertical Course Registration Prototype (Java | UML)   **February 2024**
- Anticipated user requirements and created UML and non-UML diagrams to plan out and design a multifaceted view of the architecture and software of the project.
- Created a simple text-interface prototype of surface level functions that would react to user input for event signals.