Ruchelle Baybayan

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Objective Statement

Second-year Computer Programming student and Nurse with a strong foundation in Linux, C++, JavaScript, database design, and Oracle SQL. Eager to contribute innovative solutions and work collaboratively in a development team.

Technical Skills

Programming Languages: C++, C, JavaScript, HTML, CSS, Python
Database Management: Oracle, MongoDB, PostgreSQL
Operating Systems: Windows 11, Linux, Ubuntu
Tools and Frameworks: Postman, Insomnia, Git, SDLC, Agile, Waterfall, and Iterative methodology, Scrum, Jira, Kanban, Node.js, Flask, React, Chakra UI (Vite), Visual Studio 2022, Visual Studio Code, PyCharm (CE), Visual Paradigm (CE), UML, Express.js, VM Workstation Pro, Bash

Education

Advanced Diploma in Computer Programming and Analysis　　　　　　　　　Jan 2024 – Present
Seneca Polytechnic　　　　　　　　　　　　　　　　　　　　　　　　　　　*North York, ON*
CGPA: 4.0

- Relevant Past Coursework: Object-Oriented Programming (C++), Operating Systems for Programmers, Software Testing, Web Programming Principles, Intro to Database Systems
- Relevant Coursework In Progress: Web Programming Tools and Frameworks, Software Analysis and Design I, Object-Oriented Software Development Using C++, Advanced Database Services

Technical Projects

Dictionary Application　　　　　　　　　　　　　　　　　　　　　　　　Jan 2025 – Jan 2025

- Developed a high-performance C++ application to manage and query a dictionary of words and definitions. Implemented file-based data loading, efficient searching, and performance measurement features. Integrated modules for settings management, event logging, and time monitoring of various operations to enhance usability and debugging.

Chat Time App　　　　　　　　　　　　　　　　　　　　　　　　　　　Jan 2025 – Jan 2025

- Developed a real-time messaging application using Python and Flask, featuring seamless live interactions, dynamic message updates, real-time user activity tracking, automatic avatar assignment, and instant name changes. Optimized for responsiveness and scalability to ensure a smooth user experience.

Coffee Cloud Cafe　　　　　　　　　　　　　　　　　　　　　　　　　Dec 2024 – Jan 2025

- Designed and implemented a full-stack web application using MongoDB, Express.js, React (Chakra UI), and Node.js to manage a dynamic collection of trendy drinks. Built a robust database architecture to support real-time CRUD operations, ensuring seamless drink entry management, instant updates, and data persistence. Integrated an intuitive UI for efficient navigation and interaction.

Restaurant Order Management System　　　　　　　　　　　　　　　Nov 2024 - Dec 2025

- Developed a C++ application to streamline restaurant order-taking by loading menu items from external food and drink files. Enables waitstaff to input customer orders, validate them against available items, and manage the ordering process. Generates a detailed bill in a text file upon order completion for efficient and accurate record-keeping.

Work Experience

Registered Practical Nurse　　　　　　　　　　　　　　　　　　　September 2018 – Present

- Utilize critical and analytical skills, interpersonal skills, and work collaboratively with a multidisciplinary team to provide safe patient care in a fast-paced, acute care environment

Accomplishments and Certifications

President's Honour List　　　　　　　　　　　　　　　　　　　　　　Winter 2024, Fall 2024

- Achieved over 90% cumulative average for Semesters 1 and 2 of the Computer Programming and Analysis program.