Yung-Ting, Hsu (Connie)

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OBJECTIVE

To obtain a **Software Developer Co-op** position, as a computer programming & analysis student with a background in business administration, bringing knowledge in both fields, I aim to leverage my expertise in software testing, feature analysis, and system design. With practical experiences in troubleshooting and collaborative project management, I am eager to develop innovative software solutions that contribute effectively to your team.

SUMMARY OF QUALIFIATIONS

- Skilled in prioritizing tasks effectively and adept at identifying and resolving challenges to enhance efficiency, consistently excelling in problem-solving under time constraints.
- Passionate about engaging in discussions with others by sharing best practices, posing thoughtful questions further to acquire new technical knowledge, and swiftly applying it in projects.
- Capable of interpersonal communication between technical and non-technical individuals (e.g. cross-functional teams meeting), understanding business requirements, and converting them into relevant documents (i.e. user story, use case table) or diagrams that leads to achieve stakeholders' expectations.

EDUCATION

Advanced Diploma of Computer Programming and Analysis   May 2023 - Dec 2025

Seneca Polytechnic   Toronto, Ontario

Cumulative GPA: 4.0/4.0
- Seneca President's Honor List (Summer 2023; Fall 2023)

Bachelor of Business, Major in Business Administration   Sep 2016 - June 2020

Soochow University   Taipei, Taiwan

TECHNICAL SKILLS

Web Development: JavaScript, TypeScript, React, JSX, NodeJS, Express, HTML5, CSS Tailwind CSS, Bootstrap
Database Management: SQL, MySQL, Oracle, MongoDB, PostgreSQL
Programming Languages: C/C++, Python, Linux/Unix (shell script)
Unmodified Model Language: Visual Paradigm, Draw.io, Lucidchart
Project/Program Management: JIRA, Git, MS Office, SDLC, STLC, Agile
Other Tools and Skills: MS office, Software Testing, Object-oriented Design, Use case documents

PROJECTS

Weather Fetch Web Application | *React, Next.js, OpenWeatherMap API, React-Bootstrap*   **June 2024**
A dynamic weather application built with **React** and **Next.js**, featuring real-time weather data fetching, multi-language support, and recently viewed city tracking.

- Implemented data fetching from the OpenWeatherMap API with robust **client-side validation** and error handling, ensuring optimized user input integrity for real-time weather data integration.
- Utilized Next.js file-based **dynamic routing** to fetch and display weather data dynamically for multiple cities, streamlining user interactions and enhancing data retrieval efficiency.
- Configured multi-language support and designed a responsive navigation bar with search functionality and a recently viewed dropdown list, enhancing user accessibility and improving the overall user experience.

[Lego Collection Web Application](#) | *Node.js, Express.js, PostgreSQL, HTML, CSS*   **Feb 2024 - Apr 2024**

The Lego Collection Web app simplifies managing and exploring LEGO sets, offering intuitive tools for adding, editing, and viewing set details with a **responsive user interface**.

- Developed a responsive full-stack web application using **EJS** and Tailwind CSS, leveraging Express.js for routing, middleware, and **HTTP handling** to ensure an intuitive interface across various devices.
- Managed JSON data and implemented **PostgreSQL** with **Sequelize ORM**, facilitating efficient database operations and smooth data management for enhanced application performance.
- Implemented **CRUD** operations to allow users to seamlessly manage LEGO sets through user-friendly forms and detailed views, fostering interactive engagement and ensuring data integrity.

Assembly Line Simulator: *C++*   **Jan 2024 - Mar 2024**

Developed for simulating an assembly line in a manufacturing environment and demonstrates strong C++ proficiency by modeling sequential processing of customer orders through multiple workstations.

- Implemented optimization **algorithm** to streamline order processing and station workflows, scheduling tasks to minimize downtime by managing availability and dependencies effectively.
- Demonstrated robust exception handling and resource management, including **memory management** with move semantics, and handling file I/O errors.

Truck Delivery routing system (Co-project): *C*   **Nov 2023 - Dec 2023**

Developed for simulating an assembly line in a manufacturing environment and demonstrates strong C++ proficiency by modeling sequential processing of customer orders through multiple workstations.

- Embodied proficient interpersonal communication within teamwork, managed tasks and tracked progress effectively using **Jira**, ensuring organized project management and transparency
- Enhanced application efficiency by documenting feature specifications, implementing functions and **unit tests**, followed by rigorous **integration and acceptance testing** to optimize performance.
- Utilized **log file analysis** to enhance system reliability and performance through systematic issue tracking, testing, and optimization methodologies. Using **Agile** methodologies, including scrum report to report and track application failures to resolution in collaboration.

WORK & LEADERSHIP EXPERIENCE

Din Ling Corp.   **Taipei, Taiwan**
International Business Specialist / Supply Chain Management Specialist   **Jun 2020 – Jul 2022**

- Analyzed fastener manufacturing diagrams, refined cost calculations, and developed profit-driven quotations, resulting in a **15%** reduction in group costs through improved procure procedure.
- Visualized production data identified reasons for production delays, thereby provided insights and developed operational strategies to the production department, leading to an **8%** increase in customer delivery satisfaction over the course of a year.
- Applied **creative-thinking** ability in the **ERP** Implementation Project, excelling in business requirement coordination and facilitating seamless communication with software vendors.

Cong Ty TNHH United Mechanical   **Ho Chi Minh, Vietnam**
Internship in Supply Chain Development   **Aug 2018 & Jul – Aug 2019**

- Organized and analyzed production data to provide perspectives and contribute to supply chain design.
- Facilitated cross-departmental data review during third-party audits with international clients. Promoted to full-time position due to outstanding performance and significant organizational impact.