

Jenny Long

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SKILLS & ABILITIES

- **Languages:** Python, Java, HTML, CSS, JavaScript, SQL (MySQL, Oracle)
- **Operating System:** Windows, macOS, Linux
- **Tools and Technologies:** Git, Microsoft Office Suite, LucidChart, Jupyter Notebook
- Knowledgeable in applications of **Waterfall and Agile Methodologies**
- Good working knowledge of **SQL** and **database management design**
- Solid understanding of **ER Model**, **database schema**, and **normalization** for relational database
- Experience in conducting **software documentation**, **UML diagram** and **Use case development**
- **Excellent communication and interpersonal skills** based on 5 years of customer service experience working as a supervisor as well as a team member
- **Strong analytical and organizational skills** developed by conducting research, identifying and troubleshooting problems throughout the software development

PROFESSIONAL EXPERIENCE

Technical Summer Student Co-op

May 2021 – September 2021

Municipal Property Assessment Corporation (MPAC)

- Developed a **REGEX program in Python** to solve issues with inconsistent values from floating-point arithmetic in the application script under waterfall SDLC.
- Optimized various residential valuation models by **reducing processing time by 42%** and **refactoring** the original code to reduce the lines of code by **45%** less.
- Researched and tested different machine learning algorithms to find the best machine learning predictions for real estate properties and sales.

VP Outreach of Women in Computer Science

May 2021 – Present

Ryerson University

- Reached out to organizations in Computer Science and recruited guest speakers for events.
- Organized and coordinated team meetings and assist with event preparations.
- Successfully promoted and co-hosted Internship event; resulting in over 114 participants attending.

ACADEMIC PROJECTS

Money Omega

Dec 2021

- Participated in a group of 4 on **designing and implementing** a web application with tools to help users' budget and learn more about financial literacy.
- Established **high-quality user requirements**, functional requirements, user interface design and case diagrams based on client-server architecture.
- Effectively finish **building a functional web application** that includes several functionalities under Agile SDLC.

Hotel Database Management System

Dec 2021

- Collaborated with two peers to create a **functional Hotel Database Management System**.
- Developed an ER Model for the database system and normalized data in the Oracle database.
- Successfully developed a functional text-based menu with **Unix Shell scripts** that executes several queries; received 100% as a final grade.

Race Against Time

Dec 2020

- Collaborated with three peers to create an online escape room that aims to educate and entertain the general public about the coronavirus.
- Managed the project as a project manager by organizing meetings, demo preparations and task delegations.
- Successfully delivered and presented the functional web page; received 93% on the final grade.

EDUCATION

Bachelor of Science in Computer Science (Co-op)

Sept 2019 – Present

Concentration in Software Engineering

Ryerson University

- Expected graduation date: June 2023
- CGPA: 3.74/4.33, Deans List 2020-2021
- Relevant courses: Software Engineering, Software Project Management, Database Systems, Data Structure

AWARDS

Women in Computer Science

Jan 2022

Ryerson University

- Awarded for demonstrating academic excellence, outstanding community service and advancement of women in computer science.

Lucia Flaim

Jan 2022

Ryerson University

- Awarded for being a female student with a minimum of 3.67 GPA and for being involved in extracurricular activities.