

Janice Zhu

Toronto, ON | (437) 255-8776 | janiceyechu@gmail.com | janicezhu.com | github.com/icejan

Summary

A self-motivated learning software engineer that is seeking to utilize broad educational background with excellent analytical, problem-solving, and programming skills to thrive as a software developer.

Technical Skills

Programming Languages

C, C#, Java/JavaFX, Python, Unix Shell Scripting, SQL, HTML, CSS, JavaScript

Software Tools

Visual Studio, JUnit Testing, GitHub, .NET

Education

Bachelor of Engineering (B.Eng.): *Computer Engineering*

Expected Graduation: May 2025

Toronto Metropolitan University, Toronto, ON

Relevant coursework: Digital computation and programming, Software Systems, Software Design and Architecture, Software Requirement Analysis and SPEC, Object Orientated Engineering Analysis and Design, Database Systems I, Engineering algorithms and data structures, Advanced Algorithms, Communication in the Engineering Profession, The Physical Environment

Academic and Personal Projects

Portfolio Website – Developer

Aug 2023

GitHub link: <https://github.com/icejan/Bookstore-Application>

- Technologies used: HTML, CSS, JavaScript, Visual Studio
- Designed and implemented a responsive website that displays my credentials into visual elements

Movie Store Database – Co-Developer

Sep 2022

GitHub link: <https://github.com/icejan/Movie-DBMS>

- Technologies used: Oracle SQL Developer, Unix Shell Scripting, .NET C#
- Collaborated in a 3-person team of computer engineer students to implement a database management system to store, manipulate, and search for movie entries by customers and employees
- Communicated effectively in a team to discuss and draft an ER-model and translate it into a relational schema to function as a management system for a movie store
- Analyzed and improved the ER-model by decomposing tables to 3NF/BCNF to eliminate redundancy and inconsistent dependency while maintaining the core functionalities of the system
- Used Unix shell to translate the database schema into runnable scripts through a select menu
- Implemented a GUI-based application that lets users connect and manage the movies in the database

Bookstore Application – Co-Developer

Jan 2021

GitHub link: <https://github.com/icejan/eportfolio>

- Technologies used: JavaFX, NetBeans
- Collaborated in a 4-person team of computer engineer students to develop a GUI app for a bookstore to store, manipulate, and list books for the owner and customers
- Incorporated an interactive UI screen that lists the books items using JavaFX
- Utilized Object Orientated principles to co-design UML models and a finite state machine system to be translated into code