

SKILLS

PROGRAMMING LANGUAGES: C++, R, Python, Java, SQL

TECHNOLOGIES: Git, Docker, HTML/CSS, Linux

TOOLS: VS Code, RStudio, CLI, Emacs, MySQL, Microsoft Teams/Excel/Word/PowerPoint

ACADEMIC/PERSONAL PROJECTS

WEB SCRAPPING – R for Data Science (R, HTML/CSS) | STAT260

January – April 2023

- Implemented a web scraping script using R to extract 6000 data entries with various attributes from Trustpilot reviews of Apple.com.
- Analyzed collected data, identified patterns and trends in negative reviews correlate with specific aspects of Apple, particularly high repair fee.
- Discovered several obstacles that can happen during scraping, including rate limitations, inconsistent data, UI interaction.

INNOCENT CHESS ENGINE – Personal Project (Java)

December 2022 - February 2023

- Developed a chess engine from ground up using Java, featuring an engine capable of detecting and preventing wrongful move by users.
- Implemented design pattern, including builder, abstract factory, and singleton.
- Designed graphical user interface (GUI) using the Swing and AWT framework.

SPACE MONKEY – Software Engineering (Java) | CMPT276

September - December 2022

- Developed a shooting game from the ground up using Java and applied an iterative Scrum process.
- Employed design patterns including builder pattern, abstract factory pattern, and singleton pattern.
- Designed and implemented a user interface with various game states and levels using Java AWT/Swing Designer Tools.

DENTAL ENTERPRISE DATABASE SYSTEM – Database System (SQL) | CPSC2221

January – April 2022

- Implemented a complete database model for business with different attributes such as clients, staffs, products/services, payment methods.
- Designed Enhanced Entity Relationship Model and Database Relational Schema including table definition, constraints, and normalization.
- Extended project by personally developing a website using HTML/CSS and PHP. The website allows users to input and modify data in database.

EDUCATION/PROFESSIONAL DEVELOPMENT

BACHELOR OF SCIENCE IN COMPUTER SCIENCE, MINOR IN STATISTICS – Simon Fraser University

May 2022 – May 2025

- Concentration: Artificial Intelligence
- Relevant coursework: Data Structures and Algorithms, Software Development, Artificial Intelligence, Data Analysis, Computer System
- GPA: 3.5/4.33

ALGORITHMIC TOOLBOX – University of California San Diego

June - September 2023

- Skills: Algorithms (Greedy, Divide-and-Conquer), Dynamic Programming, Debugging, Software Testing

DATA ANALYTICS SKILLS CAMP – Simon Fraser University

June - September 2023

- Skills: Data preparation, cleansing, transformation, and analytics in Alteryx Designer, data visualization in Tableau and Power BI.

ASSOCIATE DEGREE IN COMPUTER SCIENCE – Langara College

May 2020 – May 2022

- Concentration: Computing Systems
- Relevant coursework: Object-Oriented Programming, Database and SQL, Data Structures and Algorithms

EXTRACURRICULAR

CUSTOMER EXPERIENCE ASSOCIATE – TD Canada Trust, Vancouver BC

July 2022 – January 2023

- Cultivated problem-solving skills through by active listening and applying a deep understanding of banking processes in various scenarios.
- Acquired experience in an office work environment, gained collaboration skill with the usage of technologies like MS Team, Slack, Zoom.
- Enhanced time management skills by consistently prioritizing tasks and employed time-saving techniques such as setting clear goal and utilizing time blocking.

LOGISTICS CO-CHAIR – SFU Canadian Cancer Society, Burnaby BC

September 2022 – September 2023

- Enhanced creativity through designing poster and brochure that draw in large audience and boost donations for the organization.
- Improved communication skills by consistently introducing team members to others and persuading people to volunteer for the organization.

AWARDS

SUSTAINABLE DEVELOPMENT GOALS TRAINING – United Nation, Sustainable Development Goals Advocates

January 2022

2019 YOUTH GOOD NEIGHBOURS ANNUAL AWARD – Associate of Neighbourhood Houses BC

September 2019