

Peter George

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Profile

- Enrolled in McMaster University's Software Engineering Co-op program, eligible for a 4-month co-op Spring 2024
- Strong foundation in Software Engineering: Completed advanced coursework in software design, testing, and engineering practices.
- Built StockSage, a predictive market web app using **React.js**, **Flask**, and **Scikit-learn**; 68% accuracy with real-time data from Alpha Vantage API
- Versatile in programming and tools: skilled in **python**, **Java**, **C++**, **HTML/CSS/JS/SQL, XML**; experience with **React**, **Flask** and **Git**.
- Career interests include full-stack web development, data engineering, DevOps, and UI/UX design

Education

Bachelor of Engineering Co-op (BEng) | Software Engineering

Sept 2020 – Apr 2025

McMaster University, Hamilton ON (GPA 3.8/4)

- Recipient of the McMaster Engineering Award of Excellence (\$3000) for an admission average of 98%
- Dean's Honour List (2021, 2022, 2024)
- Related Courses: Software Design (I, II and III), Software Engineering Practice and Experience, Software Testing.

Work Experience

Application Developer Co-op

May – Aug 2023

CIBC Toronto Headquarters

- Collaborated with a cross-functional team of 6 professionals to design, develop, and deploy a mobile trading application tailored for wealth management clients.
- Enhanced and maintained the CIBC Wealth Management website by updating **Java**, **JSP**, **HTML**, and **CSS** code through a content management system to deliver consistent improvements.
- Supported front-end development efforts by modifying **iText**, **XML**, **XSLT**, and **Java** code to improve PDF generation functionality on the website.
- Assisted quality assurance teams by executing detailed DIT test cases and web service validations, ensuring code modifications met performance and reliability standards.

Personal Projects

StockSage Market Prediction App

Dec 2023 – Feb 2024

JavaScript, Python, PostgreSQL, React.js, Chart.js, Flask, Scikit-learn, API

- Developed a full-stack web application with **relational databases** that uses real-time data retrieved from **Alpha Vantage API** to predict stock market trends
- Designed a simple, clean interface using **React.js** and **Chart.js** to make financial data easier to understand.
- Employed mathematical models and machine learning using **Scikit-learn** to achieve 68% accuracy.
- Tested the app with classmates and made improvements based on feedback

Safe Space Information App

Feb – Mar 2023

Java, Swing, Data Structures & Algorithms

- Built a desktop **Java** app that analyzed safety data from over 100 U.S. universities using open-source crime datasets.
- Implemented Red Black Binary Search Tree to optimize efficiency and performance of program
- Enabled users to instantly look up schools and crime stats with a real-time search function powered by HashSet

Skills

Programming Languages: Python, C/C++, JavaScript/HTML/CSS, Java, SQL, Matlab, XML, XSLT

Libraries & Frameworks: React.js, React Native, Chart.js, Flask, Django, MongoDB, Scikit-learn, Swing

Software Tools: Git/Github, Windows, MacOS, Linux/Unix, Maple, MS Office Suite, Gsuite Applications