Fareen Khan

Skills

Programming: Java, C, C#, Python, VHDL, HTML/CSS, LaTeX, MATLAB, JavaScript, Oracle SQL, SwiftUI, Swift
Technologies: ReactNative, Expo, Git, JavaFX, JQuery, VSCode, Google Maps SDK for iOS

Experience

Software Engineer
Environment Climate Change Canada

May 2023 – Present
Toronto, ON

- Helping develop an iOS weather application that will allow users get detailed weather data easily
- Developed the radar page for the application. The radar page shows users how the precipitation passes in intervals of one or three hours

Software Engineering Intern
AVOLTA

Jun 2022 – Sep 2022
Toronto, ON

- Helped develop a front-end prototype mobile application for users to login and purchase a service
- Created 4-5 user interfaces using JavaScript, ReactNative, Expo
- Taught coworkers how to connect to the GitLab repository, push, pull, and branch using CLI commands

Recruitment Officer
Elections Ontario

May 2022 – Jun 2022
Toronto, ON

- Recruited poll officials for the 2022 provincial election, assigned positions, work locations, training courses
- Used Election Management System (EMS) software to manage all applicants, poll officials, and candidates
- Worked alongside the Technical Support Officer to troubleshoot problems and maintain network systems around the returning office
- Worked alongside the Financial Officer to distribute payroll on a biweekly basis

Projects

Bookstore Application | *Java, JavaFX*

- Developed an application that simulates a functioning bookstore
- Lead a team to decide on roles and assign deadlines to each member of the team
- Implemented 4-5 interfaces including a login page and purchase/redeem books. Also implemented administrator interfaces including add/remove books and add/remove customers
- Utilized a text file to store information on customers and manipulate the file whenever a new customer was created or when customer information was updated

Phantom Wallet Web page | *HTML, CSS, Bootstrap*

- Developed an intuitive web page with the support of a development course which enabled creativity and perseverance in using HTML, CSS, and Bootstrap
- Utilized bootstrap to improve customized features of a web browser for the simplistic and seamless use for visitors with a custom header and footer
- Implemented a user friendly carousel to display customer reviews as a communication feature to visitors seeking feedback and promoting community involvement

Discord Web Scraping Bot | *Python, BeautifulSoup4*

- Developed a discord bot to display COVID-19 data within Canada
- The program scrapes data from websites such as Wikipedia and displays the most important information such as total number of cases and and total number of deaths due to COVID-19

Education

Toronto Metropolitan University
Bachelor of Engineering in Software Engineering, Minor in Business

Toronto, ON
Sep 2020 – Present

- **Achievements:** 4.13/4.33 GPA, Deans List 2020, 2021