Mohammed Haq

416-275-3993 | mohammedzainhaq@gmail.com | linkedin.com/in/mohammed-z-haq | github.com/mohammedhaq

EDUCATION

McMaster University   September 2020 – April 2024
Bachelor of Science in Mathematics and Computer Science – Third Year   *Hamilton, ON*
- Relevant Courses: Data Structures and Algorithms, Algorithms and Complexity, Discrete Mathematics, Logic, Principles of Programming Languages, Software Development, Databases, Human-Computer Interfaces

TECHNICAL SKILLS

Languages: Java, Python, C, C++, C#, SQL, HTML, CSS, JavaScript, TypeScript
Frameworks: React, Node.js, Flask, AngularJS, .NET, Blazor, ASP.NET, Express
Developer Tools: Git, Linux/Unix, PostgreSQL, MySQL, Azure DevOps

EXPERIENCE

Software Developer Intern | *React, JavaScript, HTML, CSS, , Vue.js, C#, .NET, SQL, Git*   May 2022 – Present
EnableApp   *Toronto, ON*
- Full-stack development helping clients launch secure apps for any industry leveraging various tech stacks
- Created and designed company website using **React** resulting in an increase in brand visibility and engagement
- Implemented views in **PostgreSQL**, to improve data accessibility and manageability for key stakeholders
- Managed bug fixes in **JavaScript**, **C#**, and **.NET**, improving performance and reducing run time of applications
- Used **Azure DevOps** to plan development items and manage **Git** pull requests to reduce merge conflicts in code

Data Analyst and IT Assistant | *Power BI, Excel, ColdFusion 9, HTML, Power Automate*   May 2022 – Present
McMaster University - University Advancement (UA)   *Hamilton, ON*
- Analyzed alumni data sets using **Excel** and **Microsoft Power BI** to improve alumni engagement by over **8%**
- Created web application sections in **ColdFusion 9** and scripts to enhance server-side security within database
- Investigated data discrepancies in **Advance** improving accuracy and quality of alumni data sets within database
- Automated software access process using **Microsoft Power Automate** improving onboarding efficiency
- Administered departments passwords and sensitive information using **Bitwarden** to increase department security

Software Developer | *React, JavaScript, HTML, CSS, Coindesk API, Git*   January 2022 – April 2022
McMaster FinTech   *Hamilton, ON*
- Developed club website to increase club engagement and provide club members with relevant fintech news
- Created club website using **React** to optimize membership sign-up process and club executive hiring process
- Implemented relevant news page using **Coindesk API** resulting in more accurate and current fintech news
- Implemented newsletter sign-up form using **JavaScript**, **HTML**, and **XHR** increasing membership sales
- Organized analyst team to conduct research on the website to resolve issues highlighted by user feedback

PROJECTS

Supervise | *React, Node.js, MySQL, Express, JavaScript, HTML, CSS, Git*   August 2022
- Created inventory management software that automates processing stored and updated inventory information
- Constructed front-end of application using **React** components to reduce run time of application
- Developed back-end API using **Node.js** and **Express**, handling CRUD operations to database
- Used **MySQL** database to store inventory information and handle queries to update inventory

ShareTrace | *Python, BeautifulSoup, Requests, Git*   September 2021
- Created a financial modelling tool that provides accurate and recent stock profile information
- Developed web scraping capabilities using **Python** and the **BeautifulSoup** library
- Used **Requests** to make HTTP requests to the website's API to pull relevant stock profile information
- Autonomously creates **Excel** spreadsheet for the user to perform further financial analysis

Acute Myeloid Leukemia Simulator | *C++, PGPLOT, Unix, Shell, Makefile*   November 2022
- Created a program that simulates the Acute Myeloid Leukemia cell cycle under cycle-specific chemotherapy
- Performed **Runge-Kutta** integration on a system of differential equations in **C++** based on given user inputs
- Used **PGPLOT** graphics library to create scientific graphs that display the cycle-specific chemotherapy results
- Compiled program using a **Makefile** and tested program using **Shell** scripts and to analyze project's accuracy