Wafa **Qazi**

Software Engineer

Cambridge, Ontario

(+1) 519-781-8108 | wafa.qazi@outlook.com | www.wafaqazi.com | wafas-repo | linkedin.com/in/wafaqazi

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Objective

Motivated and enthusiastic New Grad Software Engineer with a solid foundation in computer science and programming principles. Eager to contribute to a dynamic development team by applying my technical skills and passion for problem-solving to create innovative and efficient software solutions. Seeking a challenging and collaborative environment that fosters learning and growth, where I can leverage my academic achievements and hands-on project experience to deliver high-quality software products.

Education

University of Guelph   *Guelph, Ontario*

B.S. in Computer Science   *2021*

- Key Projects:
    - **iCalendar Parser, 2017 :** Developed software using C that creates and parses iCalender events utilized through **Tkinter GUI** and **SQL database**.
    - **C- Compiler, 2021 :** Developed a compiler for made up language "C-" using **Java** and **Flex**
- Courses: Data Structures and Algorithms, Software Development and Integration, Compilers, Database Management Systems

Technical Skills

Languages: Python, Java, C, HTML/CSS, JavaScript
Technologies/Frameworks: Linux, Git, GitHub, NodeJS, MongoDB, Express, Django, MySQL, Postgres

Projects

MeloFile

Javascript, HTML/CSS, Python, Django

- Developed a **full-stack** web application using **Django** that allows users to add and view various lyrics.
- Incorporated **API** calls to **Spotify Web API** using **spotipy** library and stored data efficiently.
- Built a custom edit feature, allowing users to request authentication to edit other users' posts. Integrated **jsdiff** so users can compare edited postings with the original posts.
- Implemented **RESTful API** endpoints using **Django REST framework**, allowing for easy integration with other applications.

Network

Javascript, Python, HTML/CSS, Django

- Developed a social networking website sing **Django framework** that allows users to create and manage their profiles, post content, and interact with other users.
- Utilized **HTML**, **CSS**, and **JavaScript** to create a visually appealing and user-friendly front-end, enhancing the overall user experience.
- Designed and implemented the database schema using **Django ORM**, ensuring data consistency and accuracy.

Weather App

Javascript, HTML/CSS, NddeJS, Express, Handlebars

- **NodeJS** web application that enables users to search for weather forecasts of any location entered.
- Routing and API endpoints were handled with **Express**, while **Handlebars** library allowed for easy HTML templating.
- Utilized **PassportJS** for simple User authentication for login and logout.

Extracurricular

ElleHacks Virtual Hackathon 2022

WellFood

- Finalist for top 4 overall with our web application **WellFood**.
- Developed an innovative solution to a real-world problem, utilizing a range of programming languages and technologies such as **Javascript** and **Tailwind CSS**.
- Demonstrated ability to work under tight deadlines, delivering functional prototypes and MVPs in short time frames.