

# Wafa Qazi

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## Technical Skills

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**Languages:** Python, Java, C, HTML/CSS, JavaScript, SQL

**Developer Tools:** VS Code, Android Studio

**Technologies/Frameworks:** Linux, Git, GitHub, NodeJS, MongoDB, Express, Django

## Projects

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### 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 using **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, NODEJS, 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.

### Mail

JAVASCRIPT, PYTHON, HTML/CSS, DJANGO

- Designed frontend email client that makes API calls to send and receive emails using Django framework.
- Used **HTML/CSS** and **Javascript** to design the front-end of the web client.
- Created a secure user authentication system utilizing Django's built-in authentication module, protecting user data and personal information.

## Education

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### University of Guelph

Guelph, Ontario

B.S. IN COMPUTER SCIENCE

2021

- Key Projects:
  - **iCalendar Parser, 2017** : Developed software using C that creates and parses iCalendar 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, Software Engineering, Algorithms Analysis, Mobile Development, Web Development, Databases

## Extracurricular

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### 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.