Muzammiluddin Syed

Electrical and Computer Engineering 1B | University of Waterloo

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Summary

- Languages / Skills: Java, JavaScript, Python, C++, HTML, CSS, SQL , Microsoft Office
- Framework / Libraries: Django, MySQL, Selenium, Bootstrap
- DevOps: Git, Linux, SSH, Agile development (JIRA, Scrum)

Projects

Note Taking Web App – Django / Python / SQLite3 / CSS

- Created a productivity app with Django that stores notes in an SQLite3 database
- Used Django to and SQLite3 to handle communication with webserver, routing
- Implemented Automated testing through Python's unittest module to facilitate the functional testing of the UI / UX
- Created an API using Python to interact with the database.

Interactive Graphic Disease simulator – JavaScript / HTML5 / CSS3

- Created a graphic simulation of the spread of diseases through random motion of dots representing people.
- Used JavaScript DOM manipulation and CSS to design the animation
- Used JavaScript and OOP principles to simulate people (represented by dots) moving and colliding.

Highschool News Website – JavaScript / HTML5 / CSS3

- Created a multi-page website for a High School run TV program that aired on Rogers.tv
- Developed and documented product using Agile methodologies
- Used bootstrap framework to add responsiveness and cross platform compatibility

Chess – Java

- Created a Chess game from scratch in Java with a functioning GUI
- Implemented Object Oriented Programming Principles to represent pieces and the board in Java

Experience

Change Management Officer – Global Affairs Canada

January 2020 – May 2020 / Gatineau, Canada

- Oversaw the Development life cycles of IT changes for Canada's Global Missions
- Used Visual Basic for Applications to automate the creation of reports and emails in Microsoft Office
- Used strong technical writing skills to communicate and handle concerns with documentation issues in IT projects

Director of Finance – SET Canada

May 2018 – Present / Ottawa, Canada

- Worked with 5 associates to create a Registered Non-for-profit organization that seeks to better prepare high school students for a career in STEM fields
- Organized and financed annual conferences which showcased STEM-related speakers, workshops and activities for high school students

Education

Bachelor of Applied Science Candidate – University of Waterloo / Graduating 2024

- Entered with President's Scholarship ($2000) for academic excellence