Zaviaar Rizvi

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TECHNICAL SKILLS

Languages: Python, JavaScript, HTML/CSS, Java, Objective-C, SQL, MATLAB, VHDL, C++, C#, R
Hardware Design: Arduino, FPGA, Xiilinx ISE, Vivado
Developer Tools: Git, Microsoft Office, DevOps, Jupyter Notebook, VS Code, Linux, Visual Studio, IntelliJ, Eclipse, NetBeans, RStudio, SolidWorks, AutoCAD
Soft Skills: Leadership, Organization, Communication, Collaboration, Time Management, Initiative, Decision-making, Problem Solving, Detail-oriented

EDUCATION

University of Guelph Expected 2027
Bachelor of Engineering, Computer Engineering (Co-op)

- Achieved a **90%** overall entrance average

Relevant Coursework: Data Structures, Object-Oriented Programming, Discrete Structures in Comp. II, Engineering & Design I, Engineering & Design II, Computer Organization & Design, Digital Systems Design

PROJECTS

Contacts List App | *Python, JavaScript, HTML, CSS* | *Personal Project* May 2024

- Created a contacts list app that resembles the contacts app on mobile phones, allowing users to store information about their contacts
- Developed using full-stack techniques, where Python with Flask is used for the backend and JavaScript with React is used for the frontend
- Used HTML and CSS to enhance the overall design and performance of the application/website

Object-Oriented Programming Final Project (Laserfiche REST API) | *Java* April 2023

- Collaborated and led a group of 5 peers to develop, design, code, test, and debug a Java algorithm that retrieves large amounts of data over using Rest API and then filters it according to user-defined parameters
- Utilized the ideas of files and streams, inheritance, polymorphism, interfaces, and exception handling to create a reliable software system
- Given access to a laserfische repository to clone into our workspace and make our corresponding modifications to the files

Encryption & Decryption Project | *Objective-C* Nov. 2022

- Developed a program that could encrypt and decrypt a user-inputted file
- The program is able to convert Unicode characters to hexadecimal and vice-versa
- The resultant output is a file consisting of the converted text depending on whether the user chose to encrypt or decrypt

EXPERIENCE

House League Soccer Referee June 2020 – May 2023
Milton Youth Soccer Club

- Enforcing rules and safety regulations and ensuring player safety and cooperation
- Communicating effectively with various other referees, coaches, and players
- Making quick and accurate decisions in high-pressure situations
- Arriving early to each game and ensured I was prepared by bringing all essentials needed for the game