

Elyas Hossaini

SOFTWARE ENGINEER

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EDUCATION

UNIVERSITY OF VICTORIA

Bachelor of Science - Computer Science

Sept. 2023 - May 2027

TECHNICAL SKILLS

Python Java/GUI HTML/CSS React Data Structures & Algorithms Javascript C Assembly

PROJECTS

Weather App User Interface

- Engineered a weather app UI using React.js to enable users to pull weather data from their location or any city in the world by gathering real time weather data from via an API.
- Utilized protocols and the delegate design pattern to organize the app's code and implement the location manager.
- Developed proficiency in React.js development, specializing in building user interfaces and integrating APIs for real-time weather data retrieval. Acquired skills in implementing design patterns such as the delegate pattern and protocols for efficient code organization.

Motion Detection Camera Using Python

- Using specific Python libraries, an ESP32 microprocessor, and a 10000 mAh power bank, I engineered an application designed to capture images under predefined conditions. This versatile system detects moments such as when a person enters the frame or when a dog jumps onto a couch.
- This endeavor not only expanded my technical prowess but also nurtured creativity, problem-solving abilities, and a deepened comprehension of hardware-software integration.

Smart Environmental Monitoring System Using IoT and Machine Learning

- Developed a sophisticated environmental monitoring system using Java, that leverages IoT technology and machine learning algorithms to analyze and respond to varying environmental conditions in real-time.
 - Gained proficiency in IoT device integration, sensor data acquisition and enhanced skills in developing and deploying machine learning models and improved understanding of real-time data processing and visualization.
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WORK EXPERIENCE

Floor Worker | Stampede | Lammles

July 2022 - Aug. 2022

- Provided superior customer service by assisting customers, answering questions, and resolving issues promptly.
- Developed extensive product knowledge to provide accurate information and recommendations to customers.
- Assisted with inventory management, restocking products, conducting inventory counts, and maintaining accurate inventory records.

Cashier | Stampede | Lammles

July 2022 - Aug. 2022

- Enhanced customer satisfaction by leveraging strong interpersonal skills and resolving customer issues efficiently.
- Managed time effectively during high-volume periods to ensure seamless customer service and smooth store operations.
- Navigated customer complaints and disputes proficiently, providing fair resolutions to ensure customer retention and satisfaction.