

Ismael Mfumu  
Computer Systems Engineer  
[mfumui395@gmail.com](mailto:mfumui395@gmail.com) | Toronto, ON

## SUMMARY

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- **Languages/Frameworks:** Python, Java, C, C++, Javascript, Ruby, SQL, HTML, CSS, Python Flask & React
- **Developer Tools:** Arduino IDE, ModelSim, Verilog & VHDL, Github, Visual Studios, Test Automation Tools
- Demonstrated expertise in designing, developing, and implementing complex engineering systems with a strong focus on continuous improvement and efficiency.
- Dedicated to fostering a collaborative work environment, promoting knowledge sharing and teamwork among engineering professionals.

## EXPERIENCE

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### Canadian Tire Centre

2024 - Present

Retail Sales Representative

Ottawa, ON

- Provided exceptional customer service during high-volume events, ensuring positive experiences for thousands of attendees at concerts and Senators games
- Collaborated effectively with team members to manage crowd flow, resolve issues quickly, and maintain a safe, enjoyable environment for all patrons
- Consistently exceeded sales targets for merchandise and concessions through personalized product recommendations and upselling techniques
- Utilized problem-solving skills to address customer concerns promptly, resulting in high satisfaction ratings and repeat business

### Tommy Hilfiger

2019-2024

Sales Associate

Ottawa, ON

- Consistently exceeded sales targets, showcasing a commitment to excellence and results-driven approach
- Enhanced attention to detail and adaptability, key traits for addressing customer needs and managing diverse responsibilities concurrently

## EDUCATION

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**Carleton University**

**2017-2024**

Bachelors in Computer Systems Engineering  
(BEng)

**Ottawa, ON**

- Comprehensive knowledge and skills in designing, developing, and integrating hardware and software systems
- Proficiency in software development, including programming languages such as C, C++, Java, and Python.
- Hands-on experience in designing and implementing projects involving microcontrollers, sensors, and actuators.

## PROJECTS

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### Personal Website

- Created a personal website using Python Flask for backend and HTML, CSS, and JavaScript for frontend
- Implemented CI/CD practices for efficient development and deployment
- Integrated with a cloud-based database for dynamic content management

### Smart Adaptive Inventory System

- Designed an automated inventory system using SQL database, Wemos D1 Mini weight cells, and RFID technology
- Implemented real-time updates and data management for efficient inventory tracking
- Demonstrated skills in hardware-software integration and automation

### Automated Snow Plow

- Engineered an autonomous snow plow using Arduino Due, motors, and various sensors
- Implemented obstacle detection and boundary management algorithms
- Showcased expertise in embedded systems, motor control, and microcontroller programming

\*\* For more Information, Please visit <https://www.linkedin.com/in/ismael-mfumu-b0b27b1b5/>

