Mazen El Habiby

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EDUCATION

University of Calgary   **Calgary, Alberta, Canada**
Bachelor of Science in Software Engineering with a Minor in Mechatronics   *2021-present*
- Currently in third year of Software Engineering with a Minor in Mechatronics

SKILLS

- Experienced in the following coding languages and frameworks: JAVA, C/C++, Python, CSS, HTML, JavaScript, ReactJS, SQL development, Frontend and Backend Web Development using AWS, Terraform and OpenAI ChatGPT API, Object Oriented Programming, RISC-V Assembly and familiar with PHP/Laravel and Orchid.
- Experienced in the following tools and platforms: GIT, GitHub, Bitbucket, Jira, Microsoft Office, and Adobe Creative Cloud.
- Bilingual in French and English, Speak Arabic fluently.
- Certification: Schulich School of Engineering Leadership Tier 1 and Tier 2

WORK EXPERIENCE

Micro Engineering Tech Inc.   **Calgary, Alberta, Canada**
Software Engineering Intern   *May 2023 – September 2023*
- Led an on-field accessibility navigation application testing to assure real-world user functionality and usability.
- Created a comprehensive bug report to directly improve user experience, software functionality and software testing processes.
- Provided strategic guidance on accessibility improvements through a comprehensive report, reinforcing the company's dedication and value to inclusivity and user experience.
- Implemented and designed an SQL-integrated administrative dashboard using PHP, Laravel Framework and Orchid to improve the visual representation of the data.
- Collaborated with international teams worldwide using tools like Bitbuckets, Git, Jira Software and Microsoft Teams.

University of Calgary – Geomatics Multi-Sensor Systems Group   **Calgary, Alberta, Canada**
Student Research Assistant   *May 2023 – August 2023*
- Support the testing of navigation algorithms and optimization data modelling for autonomous vehicles and indoor robotics applications.
- Refined software tests for navigation systems, improving both indoor navigation functions and autonomous vehicle efficiency.
- Played a pivotal role in the design and thorough examination of optimization algorithms for geomatics, advancements, and precision in location intelligence technologies.

SensorUp Inc.   **Calgary, Alberta, Canada**
Software Engineering Intern   *June 2022 – August 2022*
- Complied a comprehensive application and software testing for Oil and Gas maintenance and data dashboard IOT software application to ensure quality, reliability, and performance.
- Created a user-friendly tutorial for applications and software.
- Actively identifies Bugs and areas of improvement to enhance the application functionality and user experience.

University of Calgary   **Calgary, Alberta, Canada**
Student Research Assistant   *June 2022 – August 2022*
- Technical documentation and document control for the navigation research projects for autonomous vehicles and indoor navigation.