ZIAD ELRAGGAL

COMPUTER ENGINEERING STUDENT

CONTACT

- (709)-529-0994
- zmaaelraggal@mun.ca
- https://ziadelraggal.github.io/
- 40 livyer's Loop, St.john's, A1B 3P7

EDUCATION

Memorial University of Newfoundland and Labrador

Faculty of Engineering and Applied Science Co-op Program
Enrolled in Academic Term 4

2022-2027

SKILLS

JavaScript	◆◆◆◆◇
Python	◆◆◆◆◇
C++	◆◆◆◆◇
Java	◆◆◆◇◆
HTML/CSS	◆◆◆◆◆
MATLAB	◆◆◆◆◆

AWARDS AND CERTIFICATIONS

Academic Excellence Scholarship
Valued at 4000$ by Memorial University

British Checkpoint Ranking
Awarded first position within the country for English Writing Skills

Mental Health First Aid Training
issued by Memorial University Residence Life

LANGUAGES

English	◆◆◆◆◆
Arabic	◆◆◆◆◆
German	◆◆◆◇◇

ABOUT ME

Second-year Computer Engineering Student at Memorial University of Newfoundland and Labrador | Demonstrated proficiency in research, organization, and time management; skilled at diagnosing problems and devising innovative, tailored solutions

WORK EXPERIENCE

Research And Development - Engineering Student

Marine Institute, St.John's, Canada

January 2024 -April 2024

- Engineered MATLAB script into user-friendly app for Keithley data logging, integrating Test Script Builder and Lua scripting for comprehensive functionality and testing.
- Created detailed user manuals for operational procedures and troubleshooting for Keithley data loggers and developed script.
- Developed precise experiment protocols and equipment lists for smooth execution across diverse scenarios.
- Integrated coding solutions to automate processes, reducing onsite monitoring needs by 23.8%, while supervising long-term experiments to maintain optimized efficiency and code integrity.

Freelance Web-Designer

Freelance-Remote

January 2021 -Current

- Contributed to web development with HTML and CSS, ensuring visually appealing and functional web pages.
- Familiarized with CMS like WordPress and Joomla, customizing templates and updating content.
- Used JavaScript for interactive elements, enhancing user engagement and functionality.
- Developed a mobile-friendly website boosting mobile traffic by 37%, while fostering positive client relationships through active listening, timely updates, and incorporating feedback.

PROJECTS

Project Web: An Online Portfolio

January 2024 -May 2024

- Built an interactive portfolio website with JavaScript, HTML, CSS, React.js, and Three.js. Rebuilt with Vite and React for 3D design.
- Acquired graphic and web design skills emphasizing captivating visuals and effective communication, including 3D integration.

Temperature Monitoring & Analysis MATLAB Application

January 2024 -April 2024

- Masterfully interfaced with a Digital Multimeter, leveraging MATLAB for exploration and experimentation amidst limited documentation.
- Engineered a robust script for seamless data management and visualization, empowering precise monitoring and analysis through detailed graphical representations.

VOLUNTEER EXPERIENCE

Barnes House President

September 2023 -April 2024

- Participated in collaborative efforts with neighboring residences to plan and execute expansive community-wide events.
- Actively supported house-specific events as a key member of the executive council, facilitating student needs by connecting them with the necessary resources and assistance.