INSAF LASHARI

📞 (343) 367-5232 • ✉ ilashari@uwaterloo.ca • in linkedin.com/in/insaf-lashari/ • ○ github.com/insaflashari

SKILLS

Technical Skills

- **Tools:** AGi32, COMSOL, Adobe Creative Cloud, Visual Studio Code, Microsoft Office & Google Suite
- **Languages:** C++, C, HTML/CSS, Python, JavaScript, VHDL, MATLAB, RISC-V, ARM
- **Frameworks:** React.js, Node.js & MySQL

WORK EXPERIENCE

Greer Galloway Group Inc.   **Belleville, ON**
Electrical Engineering Intern   *01/2023 – 12/2024*
- Managed **7** major projects and **1** major Request for Supplier Qualifications (RFSQ), assisted with writing tender packages, proposals, reports and conducted on-site construction visits.
- Designed lighting layouts using AGi32 for diverse applications, including streetlights, parking lots, residential buildings, schools, and apartment complexes, using RP-8 lighting standards.
- Collaborated on electrical designs for schools, residential projects and hospitals focusing on power distribution, data systems, emergency lighting, and fire alarms.
- Reviewed technical drawings to ensure compliance with the Ontario Building Code (OBC) and Ontario Electrical Safety Code (OESC).

PROJECT EXPERIENCE

Greer Galloway Group Inc.   **Belleville, ON**
Electrical Student Consult – Water & Wastewater Treatment Plant Electrical Systems Audit
11/2024 – 12/2024
- Led an audit to update single-line diagrams for **three** water treatment plants and **two** wastewater treatment plants, ensuring accuracy and up-to-date documentation of existing conditions.
- Conducted on-site inspections alongside superintendent to assess existing power distribution, control panels and equipment layouts.
- Verified and documented electrical loads, transformer ratings, and breaker configurations, ensuring proper system documentation for future maintenance and upgrades.
- Created detailed markups and redlines for AutoCAD technicians, ensuring precise updates to electrical drawings in alignment with industry standards and regulatory requirements.

Greer Galloway Group Inc.   **Belleville, ON**
Electrical Student Consult – 1440 Princess Street Renovation   *9 /2024 – 12/2024*
- Conducted on-site assessments for a building renovation project, reviewing existing power, data, lighting, and emergency systems.
- Created detailed markups and redlines for AutoCAD technicians, ensuring accurate updates to electrical layouts and compliance with code.
- Designed interior lighting layouts using AGI32, optimizing illumination levels, energy efficiency, and compliance with RP8 standards.

Geesespotter Game (C++)   **Waterloo, ON**
- Implemented dynamic board management by developing functions for marking, revealing, and hiding fields, improving user interaction and game flow. Optimized neighbor-calculation logic to efficiently update adjacent fields with geese counts, reducing computational time by **25%** and enhancing real-time gameplay experience by ensuring timely win-condition checks.

EDUCATION

University of Waterloo   **Waterloo, ON**
Candidate for Bachelor of Applied Science of Computer Engineering, Honours   *Present – 06/2028*
Interests: FPGA Programming & Digital Logic Design, Cybersecurity, Game Development

MICRO CREDENTIAL

Tech Stewardship Practice Program   **01/2023 – 04/2023**
Engaged in Tech Stewardship, a professional identity and practice focused on aligning technology development with societal good. Emphasized advancing understanding, deliberating values, and fostering responsible behaviors to identify opportunities in daily work to help bend the arc of technology toward positive outcomes.