Malek Hammoud

London, Ontario, Canada
malekhammoud.com
linkedin.com/in/malekhammoud
github.com/mhammoud-os

Email : malek@malekhammoud.com
Mobile : 226-236-9911

PROFILE

Dedicated and passionate software engineer with over 3 years of experience in full-stack development, autonomous robotics, and innovative software solutions. Adept at Agile and Scrum methodologies, I consistently deliver robust, scalable, and efficient solutions. My track record demonstrates a commitment to excellence and a drive to solve complex technical challenges.

EXPERIENCE

- **CWSF - Canada Wide Science Fair** — Canada — 2024
  Bronze Medalist & Lead Developer, GreenGuardian
  - **GreenGuardian Project**: Designed and programmed an autonomous robot to detect weeds and administer precise spraying. Integrated advanced sensor systems with real-time data processing to achieve high accuracy and efficiency.
  - **Innovation Under Pressure**: Leveraged creative problem-solving and technical expertise in a competitive environment, earning Bronze Medal recognition for outstanding innovation and execution.

- **Bryck Technologies** — Canada — 2025
  Software Developer
  - **Full-Stack Application Development**: Engineered a scalable web application that streamlined internal operations. Developed both front-end and back-end components using modern frameworks and robust architectures.
  - **Agile & Scrum Implementation**: Actively participated in daily Scrum meetings, sprint planning, and retrospectives. Utilized Agile methodologies to foster collaboration, ensure iterative improvements, and accelerate delivery.
  - **System Integration & Optimization**: Collaborated with cross-functional teams to define technical specifications and optimize system performance, driving significant operational efficiencies.

- **SIMAD** — Canada — 2025
  Full Stack Developer
  - **Platform Revamp**: Led the optimization of the company's web platform, enhancing performance, scalability, and user experience through strategic code refactoring and system redesign.
  - **Collaborative Innovation**: Worked closely with design and product teams to integrate intuitive user interfaces with robust back-end services, ensuring seamless user interactions and rapid feature deployment.

PROJECTS

- **Offshape Site**: Developed a dynamic website for an FRC team featuring real-time updates, interactive design, and streamlined navigation to enhance team communication and project visibility.
- **EcoScout**: Designed an innovative software system aimed at combating littering. Employed sensor data integration and analytics to monitor environmental conditions and enable proactive community engagement.
- **Posturepal**: Engineered a device to improve posture through real-time feedback and alert mechanisms. Combined hardware interfacing with mobile application development to deliver a comprehensive health solution.

SKILLS

- **Languages**: Python, Java, C++, HTML, CSS, Node.js, PHP, SQL
  Technologies: WASP, Prisma, Linux, React, Git, Agile, Scrum

HONORS

- **CCC Honors**
  Achieved Honors at the Canadian Computing Competition Junior — 2023