

# Malek Hammoud

London, ON, Canada

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## PROFILE

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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

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- **Playtoon It, Inc.** New York, NY, USA  
*Software Engineering Intern* March 2025 – Present
  - **Project Setup:** Initialized the Playtoon codebase with Git version control.
  - **Landing Page:** Drafted and deployed placeholder content to introduce Playtoon’s vision and features.
- **SIMAD Foundation** London, ON, Canada  
*Full Stack Developer* Oct 2024 – Apr 2025
  - **Full-Stack Development:** Built and optimized web platforms to support the Foundation’s mission, delivering scalable front-end and back-end solutions.
- **Bryck Technologies** London, ON, Canada  
*Software Developer* Sep 2024 – Jan 2025
  - **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.
- **Canada Wide Science Fair** Ottawa, ON, Canada  
*Bronze Medalist & Lead Developer, GreenGuardian* 2024
  - **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.

## PROJECTS

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- **Offshape Site:** Developed a dynamic website for an FRC team.
- **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

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

## HONORS

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- **CCC Honors:** Achieved Honors at the Canadian Computing Competition Junior, 2023
- **Canada Wide Science Fair:** Bronze Medalist, 2024