Amara "Mars" Briggs

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Objective

Dedicated software developer with a focus on full-stack systems and robotics. Proven ability to bridge the gap between complex logic and functional hardware through mentorship and collaborative version control. Seeking to leverage technical versatility and a passion for scalable code within a forward-thinking development team.

Education

Georgian College of Applied Arts and Technology   Barrie, ON
Ontario College Diploma in Computer Programming   Sept 2025 - Apr 2027

Experience

Georgian College   Barrie, ON
Grizzly Gears' Student Mentor   Nov 2025 - Current
- Mentored high school students in Java programming fundamentals and the WPILib framework to develop wireless-operated robot functions.
- Standardized Git workflow for a multi-developer team, reducing merge conflicts by implementing strict branching strategies and code review protocols.
- Guided the student FTC team through real-time troubleshooting of AI frameworks, sensor data and motor controller logic to ensure peak robot performance during practice and competition.

St. Catherine of Siena Catholic Elementary School   Barrie, ON
Lunch Hour Supervisor / Education Assistant   March 2025 - March 2026
- Neutralized high-tension situations through active listening and grounding methods, ensuring a safe environment in high-pressure, unpredictable settings.
- Translated complex rules and behavioral expectations into clear, accessible language, fostering an environment of understanding and mutual respect.
- Applied a methodical, patient approach to addressing diverse student needs, identifying root causes of issues to implement long-term solutions.

Western Inventory Solutions   Barrie,ON
Inventory Associate   May 2022 - May 2023
- Maintained high levels of accuracy during large-scale inventory audits, ensuring the reliability of inventory records through meticulous verification of SKU data.
- Effectively utilized specialized scanning hardware and proprietary digital tracking systems to facilitate real-time data synchronization.
- Identified and resolved data discrepancies by analyzing physical stock against digital logs, preventing downstream errors in the supply chain.
- Worked within a high-speed team environment to meet rigorous hourly audit benchmarks, consistently optimizing workflow to increase throughput and data quality.

Projects

Technical Skills

Languages: HTML5,CSS3,JS, PHP, C#, Python, Java, OOP Principles
Data & Databases: MySQL, SQL Server, Data Analysis, Relational Database Design
Developer Tools: Git, Github, VS Code, WPILib, Roboflow
Systems: Windows, Linux