

Amara "Mars" Briggs  
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<https://magpie512.netlify.app>

## Objective

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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

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**Georgian College of Applied Arts and Technology** Barrie, ON

Ontario College Diploma in Computer Programming

Sept 2025 - Apr 2027

### Experience

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**St. Catherine of Siena Catholic Elementary School** Barrie, ON

Lunch Hour Supervisor / Education Assistant

March 2025 - March 2026

Managed high-pressure environments requiring rapid conflict resolution and clear communication, ensuring the safety and engagement of students.

**Western Inventory Solutions** Barrie, ON

Inventory Associate

May 2022 - May 2023

Maintained precise data accuracy for large-scale inventory audits, utilizing specialized scanning hardware and digital tracking systems.

## Projects

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**Grizzly Gears | Student Mentor** Barrie, ON

Georgian College

Nov 2025 - Current

- **Technical Mentorship:** Mentored high school students in Java programming fundamentals and the WPILib framework to develop wireless-operated robot functions.
- **Code Quality & Review:** Facilitated collaborative coding sessions using Git and GitHub, teaching students how to manage version control, resolve merge conflicts, and maintain clean documentation.
- **Problem-Solving & Debugging:** 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.

## Technical Skills

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**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