# Jonathan M. Fisher

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**Objective**

Results-oriented Mechanical Engineering major with 4 years of experience in customer service and team leadership, specializing in robotics and automated systems. Proficiency with CAD, 3D printing, and computer programming. Excels in fast-paced production environments, making agile decisions, and collaborating with diverse creative teams. Seeking a challenging internship or Co-op opportunity in the robotics field for Summer 2025.

**Education**

**Coram Deo Classical School | Peachtree City, GA** Graduation, May 2027

High School Diploma, GPA 4.00

**Georgia Institute of Technology| Atlanta, GA** *August 2023 – Present*

Perusing BS in Mechanical Engineering, GPA 3.75 Expected Graduation, May 2027

**Skills**

**Prototyping:** Soldering, Lathe, Manuel Mill, Band saw, 3D printing[FDM & SLA], PCB design, Hand tools

**Programming Languages:** Python, Java, C#, C++, JavaScript, SQL, HTML, TI Basic

**Hardware:** Raspberry Pi, Arduino microcontrollers, Allen & Heath, ladder logic

**Software**: SolidWorks, Autodesk Inventor**,** KiCAD, Arduino IDE, Jands Vista, ProPresenter, Automation Direct

**Communication:** Customer Service, Public Speaking, Presentation (conference and poster), Small group leader

**Languages:** English (fluent)**,** German (conversational)

**Vehicles:** Car (Automatic and Manual), 15 passenger Van, Truck, Tractor(with attachments and 14ft trailer), Fork lift

**Experience**

**Thermopore Material Company | Newnan, Ga***May 2024– August 2024*

***Engineering Intern***

* Designed in SolidWorks and fabricated systems for a part vibratory escapement system using FDM and SLA 3D printing technologies.
* Created a custom program from scratch to process downloaded bolts from McMaster-Carr, including thread removal, material-based color coding, and saved files into location in server.
* Worked in a Manufacturing Engineering roles, machining parts and assembling machines from design drawings.
* Performed electrical wiring, soldering, and long-distance cable routing for various projects
* Wrote PLC code to control a DC motor with PWM signals, enhancing automation processes.

**Wargo’s Pumpkin Patch | Lutherville, Ga** *September 2021 – December 2022*

***Sales and Operations Manager***

* Catered to the customer experiences by facilitating activities and providing top-notch service for hundreds of customers each day.
* Ascended from a sales role to a managing a team of 10 in sales and operations

**Leadership or Activities**

**Invention Studio | Director of Programming** *May 2024 – Present*

* Plan, Manage and Execute events for on Campus Makerspace for upwards of 200 people.
* Orchestrated, trained, and managing the staffing of educational project-based workshops for students
* Work with a team of 4 to put on large scale events.

**Invention Studio | Peer Instructor & Shift Manager** *August 2023 – Present*

* Ensure student and over staff safety and impart essential skills for tool utilization.
* Guide students in proper tool use, fostering a secure and educational environment.
* Provide hands-on assistance in project development, offering guidance and insights. Proficient across diverse tool groups, including woodworking, metalworking, waterjet, laser cutting, sewing, vinyl stickers, and electronics.
* Guide and support other Peer Instructors on their shifts.

**Robojackets | Member** *August 2023 – Present*

* Machine Manufacturing on metal lathe and Mill
* Ideated and contributed to the design process of a battle bot through active participation in brainstorming sessions and innovative idea generation.
* Applied engineering principles to calculate and analyze physical properties such as gyroscopic forces and bite force, improving weapon system functionality and performance.
* Collaborated with team members to optimize the bot's design, ensuring efficiency and competitiveness in competitions.