

# Jonathan M. Fisher

310 Haynie Rd Moreland, Ga 30259 | (770) 502-5789 | jfisher78@gatech.edu | U.S. Citizen

## 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.