

# Beckett Gordon

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## EDUCATION

**Georgia Institute of Technology**, Atlanta, GA

May 2028

*Candidate for Bachelor of Science in Mechanical Engineering, Minor in Mathematics*

GPA: 3.91

**Relevant Coursework:** Dynamics, Mechanics of Deformable Bodies

## PROJECTS

**DMF Atlanta, Model Railgear**, Atlanta, GA

Summer 2025

- Designed a 1:6 scale model railgear for trade shows and sales events
- Simplified a complex product into a low cost, 3D printed mechanical system
- Created 3D-printed pneumatic cylinders that work in an overall assembly
- Iterated on my initial prototype to achieve desired range of motion

**Independent Study in Robotics, T-shirt Cannon**, Atlanta, GA

May 2022 – May 2024

- Led a team to budget, design and build a t-shirt cannon for use at high school football games
- Researched and presented technical and budget concerns to convince school to fund the cannon
- Operated the robot at football games, spirit rallies, and even a chorus concert

## EXTRACURRICULAR INVOLVEMENT

**Driver Controls Engineer, Georgia Tech Motorsports**

2024 - Present

- Assembled pedal box and steering system for our 2025 and 2026 Formula Student car.
- Machined and assembled pieces for our 2026 car's pedal box, focusing on the brake pedal and surrounding components
- Responsible Engineer for 2027 pedal box design and validation, focusing on analysis of the pedals and carriages to validate previous designs.

**Research Engineer, Georgia Tech Vertically Integrated Projects**

Fall 2025

- Worked with a multidisciplinary team in the Flow Dynamics of Soft Robotic Swimmers VIP
- Created documentation for polarization of soft jellyfish robots
- Designed and iterated on a new testing tank and calibration device using Solidworks
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**Captain, FIRST Robotics Team 6925**

2023-2024

- Led a team of 20 competing in the FIRST Robotics Competition in 2024
- Led W.A. Robotics (6925) to our best season in program history (25<sup>th</sup>, previously 54<sup>th</sup>)
- In 2024, Design co-lead, Mechanical lead, Strategy lead, Outreach lead

## WORK EXPERIENCE

**DMF Atlanta, Design Engineering Intern**, Atlanta, GA

Summer 2025

- Worked with Solidworks CAD and PDM software to update parts, assemblies, and drawings
- Reorganized large assemblies to match product databases in Odoo
- Designed a mount for faster assembly of wheel and axle hardware

**Electric Reck, Team Member**, Atlanta, GA

Spring 2025

- Worked on a project turning an old 1930 Model A Ford from the Georgia Tech Hotel into an electric vehicle
- Designed throttle pedal mounting, new flooring panels, and battery mounting with a cost constraint

## SKILLS

**Technical:** Solidworks, Fusion CAM, Ansys Mechanical

**Manufacturing:** Waterjet, Mill, Lathe, Haas CNC

**Languages:** Python, C++, MATLAB