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Greg Svensson

Address:
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OBJECTIVE

Motivated mechanical engineering student with hands-on experience in mechanical design, analysis, CNC machining, and automotive repair. Actively seeking internship opportunities in the automotive, aerospace, energy, or related industries.

EDUCATION

Cornell University, College of Engineering, Ithaca, NY

Bachelor of Science, Mechanical and Aerospace Engineering - GPA: 3.93

Expected December 2026

Relevant Coursework: Intro. Fluid Mechanics, Mechanics of Engineering Materials, Statics and Mechanics of Solids, System Dynamics, Engineering Dynamics, Thermodynamics, Intro. to Mechanical Design, Physics III: Waves

RELEVANT EXPERIENCE

Cornell Baja Racing, Ithaca, NY

Fall 2024-Present

Drivetrain Subteam Member

- Collaborate on a 50+ member engineering project team to design and build an off-road vehicle for the SAE Collegiate Baja Design Series.
- Team placed 1st overall in both 2025 competitions so far and 2nd Iron Team in 2024.
- Currently responsible for the design and fabrication of the driveshaft 4WD system for next year's car. Reducing weight and rotational inertia while improving mechanical efficiency and serviceability.
- Conducting on and off car testing to inform carbon-fiber to aluminum bonding practices, universal joint yoke geometry, and shaft misalignment solutions.
- Leading ergonomics design cycle for next year's car.
- Utilizing CAM, CNC machining, and manual mill/lathe operation to fabricate car components.
- Designed driveshaft guarding on the 2025 season car. Increased subsystem serviceability drastically. Personally fabricated all components in-house via 3D printing, TIG welding, laser cutting, and manual machining.

Regan's Automotive, Newton, MA

2020-Summer 2025

Vehicle Inspector

- Performed MA Vehicle Check safety and emissions inspections on passenger vehicles.
- Diagnosed and documented issues across braking, suspension, steering, and emissions systems to certify regulatory compliance. Communicated findings with customers.
- Supported shop operations in downtime with routine maintenance, including oil changes and tire service.

Front Office Employee

- Managed front office, appointments, cash register, and phone.
- Provided basic roadside assistance to customers, including changing spare tires, jump-starting batteries, and ensuring vehicles were safe to drive.

Morgan Stanley, Wellesley, MA

Summer 2024

Wealth Management Intern

- Supported financial advisors in retirement planning, client prospecting, and investment strategy development, contributing to portfolio construction tailored to client risk profiles.
- Improved advisor efficiency by optimizing client records and workflows in Salesforce.
- Engaged Morgan Stanley Global Equity Research daily for up-to-date market knowledge.
- Created customized portfolio performance reports for clients and investment proposals for prospects.

SKILLS

- Software: Solidworks, Ansys FEA, MATLAB, Autodesk (Fusion, HSMWorks, AutoCAD), Python, Microsoft Suite
- Hands-on: 3-Axis CNC, hand/power tools, manual mill and lathe, TIG welding, basic automotive repair