

Greg Svensson

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EDUCATION

Cornell University, College of Engineering, Ithaca, NY

Expected December 2026

Bachelor of Science, Mechanical and Aerospace Engineering

GPA: 3.93

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

September 2024-Present

Drivetrain Subteam Member and Ergonomics Lead

- Collaborate on a 50+ member engineering project team to design and build an off-road vehicle for the SAE Collegiate Baja Design Series each year
- Contribute to a team that placed 1st overall in all three 2025 competitions, 1st Iron Team
- Work with a 13-member drivetrain subteam to design, test, and optimize vehicle components, contributing to iterative improvements across competition seasons
- Responsible engineer for the design and fabrication of the 4WD driveshaft system for the 2026 car; projected $\geq 10\%$ weight reduction with improved analytical confidence, manufacturability, complexity, and serviceability
- Conduct structural and modal analyses in ANSYS to ensure all driveshaft components meet factor of safety requirements and operate well below shaft critical rotational speeds
- Lead full ergonomics design cycle for the 2026 car, overseeing system-level engineering, data collection, analysis, correlation, manufacturing, and design presentations for all three competitions next year
- Utilize CAM, 3-axis CNC mill and Trak lathe machining, to fabricate vehicle components
- Designed 4WD driveshaft guarding on the 2025 car; increased subsystem serviceability significantly, personally fabricated all components in-house via 3D printing, TIG welding, laser cutting, and manual machining

Regan's Automotive, Newton, MA

2020-August 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 to communicate 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

May-August 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, summarized and reported findings to advisors
- Created customized portfolio performance reports for clients and investment proposals for prospects

SKILLS

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