

## Education:

### Cornell University, College of Engineering, Ithaca, NY

M.Eng in Aerospace Engineering, expected **December 2026**

BS in Mechanical and Aerospace Engineering, expected **December 2025**

SC Johnson Minor in Business Management

**GPA: 3.75**

**Relevant Coursework:** Heat Transfer, Fluid Dynamics, Mechanics of Materials, Thermodynamics

**Technical Skills:** CAD, GD&T, FEA, CFD, Java, Python, Microsoft Office, Verification and Validation

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## Experience:

### General Dynamics Electric Boat, June 2025 - August 2025

*Mechanical Engineering Intern*, Groton, CT, USA

- Preformed waterfront construction support for nuclear structures on Virginia class submarines
- Provided direction for out of tolerance conditions and violations of **NAVSEA** standards
- Collaborated with weld engineering and trades to resolve class-wide **weld quality** issues
- Pending DoD security clearance

### Optikos Corporation, June 2023 - August 2023

*Mechanical Engineering Intern*, Wakefield, MA, USA

- Preformed product design using **CAD** to enhance capability of assemblies on flagship product
- Led engineering design reviews and integrated change orders from analysis by senior engineers
- Utilized **DFX** approaches and **GD&T** on engineering drawings for efficient mass manufacturing
- Programmed Solidworks macros in **VBA** to optimize workflow, saving 5 engineering hours/week

### Walsh Group, June 2024 - August 2024

*Field Engineer Intern*, Newton, MA, USA

- Installed/managed thermal sensors on **mass concrete** pour to dictate cooling per DOT spec
- Produced **material quantities** from site plans for procurement and comparison with bid estimates
- Deliberated with DOT **ESC** inspectors on interchange project, cutting 2-3 action items per week
- Accountable for **quality control** and scheduling of vendor deliveries and **verification** of site plans

### TEKS Startup, January 2024 - May 2025

*Lead Manufacturing Engineer*, Ithaca, NY, USA

- Lead product development group and set milestones/deliverables for timely project completion
- Source quotes and conduct **DFM** work on Fusion 360 for economical **injection molding**

### Cornell Autonomous Sailboat Project Team, October 2022 - Present

*Mechanical Team Lead*, Ithaca, NY, USA

- Lead a team of 16 engineering students to design and manufacture a championship winning boat
- Defined project goals, spearheaded design initiatives, and delegated milestones and deliverables
- Onboarded new members on basic skills in **CAD**, **FEA**, and **CFD**
- Lead composite manufacturing, hydrofoil optimization, and naval architecture efforts

## Leadership:

### CURFC eBoard, November 2022 - Present

*Treasurer*, Ithaca, NY, USA

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Interests: Aerospace, Automotive, Entrepreneurship, Opto-Mechanics, Sailing, Rugby, Scuba Diving