

Evan Shellow

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U.S. Citizen

OBJECTIVE

Through several student competition motorsports teams, I have learned about automotive manufacturing tolerances and design modifications by working in the machining workshop. I have also been involved as an extended orientation counselor and have served in various leadership positions in my social fraternity. I am seeking an internship at Tesla where I can provide value and develop my professional and engineering skills for May 2019.

EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY, College of Engineering **Atlanta, Georgia**
Bachelor of Science in Mechanical Engineering *May 2021*
• Relevant Coursework: Engineering Graphics and Visualization, Creative Decisions and Design, Fluid Mechanics, Thermodynamics GPA: 3.92
• Study Abroad: University of New South Wales Exchange Program

EXPERIENCE

ONE-CYCLE CONTROL, INC. **Irvine, California**
Mechanical Engineering Intern *May 2018–August 2018*
One-Cycle Control produces power-electronic devices developed under DOD, DOE, CEC, and CIEE support with the goal of utilizing active conversion of three-phase power with hardware-based fast, precise, and robust universal control.

- Assumed full responsibility of construction and documentation for 2 prototype power cabinets with duties including creating assembly SOPs, updating BOMs, and implementing new designs to meet contracted deadlines
- Documented and performed mechanical reworks on various production parts and equipment to update production methods
- Converted cable-making SOPs into brief and intuitive engineering drawings for aid of manufacturing
- Assisted in conducting thermal tests on water-cooled prototypes and analyzed data to advance products to production

GEORGIA INSTITUTE OF TECHNOLOGY **Atlanta, Georgia**
Team Member, Wreck Racing *August 2018 – December 2018*
• Trained in MIG welding, angle grinding, riveting, and other various mechanical reworking procedures to manufacture parts
• Used design skills and implementation to help construct, tune, and modify a racecar for the Grassroots Motorsport \$20xx competition to help the team finish in 2nd place overall

Suspension/Drivetrain Team Member, HyTech Racing *August 2017 – May 2018*
• Designed drivetrain plate tabs using SolidWorks to aid quick installment of engine package during competition
• Trained in TIG welding, basic lathe and mill procedures, and drill press to manufacture in-house components

LEADERSHIP

GEORGIA INSTITUTE OF TECHNOLOGY **Atlanta, Georgia**
Staff Member, Wreck Camp *January 2018 – August 2018*
• Selected as a staff member to lead a group of 8-10 new students at a 3-day activity-filled sleep away camp
• Educated incoming students about various campus resources to provide a campus-wide support system

PHI SIGMA KAPPA FRATERNITY **Atlanta, Georgia**
Vice President of Brotherhood *August 2018 – December 2018*

- Planned various date nights and brotherhood events to foster both healthy relations among the brothers and the community
- Kept a strict budget while working with other officers to prevent the house from misuse of funds

Rush Chair *October 2018 – August 2019*
• Responsible for the recruitment of the new member classes for the Spring and Fall 2019 semesters to keep the chapter alive
• Organized several rush events to find driven and academic new members who have the potential to help the fraternity expand on campus and grow as a philanthropic organization for emerging leaders

SKILLS/INTERESTS

Technical: MATLAB, LabView, Java, SolidWorks, Autodesk Inventor, Onshape, Rapid Harness, Microsoft Office
Skills: Design, Instrumentation, Machining, Welding
Affiliations: Phi Sigma Kappa Fraternity, HyTech Racing, Wreck Racing, Chabad
Awards: President's Volunteer Service Award, Randy Rhodes Scholarship
Volunteer: National League of Young Men, Team BUZZ, Discovery Science Center OC, Congregation Shir Ha Ma'alot
Interests: Motorsports, CAD, Prototyping, Designing, Hybrid powertrains, Leadership, Simulink, Automotive