

Daniel Miller

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OBJECTIVE

Seeking mechanical engineering co-op or internship opportunity starting May 2015.

EDUCATION

The Ohio State University, Columbus, OH
Bachelor of Science, Mechanical Engineering

Expected Graduation: May 2017

GPA: 3.26 (on 4.0 scale)

ENGINEERING PROJECTS

Genius Garage Racing Team

February 2015 – Present

- Restore, develop, and improve upon a 1994 GT1 Corvette for historic racing in SVRA events
- Develop an understanding of vehicle dynamics in order to maximize traction, minimize tire wear, and maintain stability at high speeds
- Employ creative and unconventional thinking to develop and design aerodynamic devices
- Maintain a high standard of safety by engineering driver cooling systems, seat and belt mounts, and fire extinguisher systems

FEH Robotics Project, The Ohio State University

January – May, 2014

- Collaborated to design, build, and program an autonomous robot
- Thoroughly documented project progress in an online journal
- Designed and built various components of the robot, including the chassis, moving arms, and analog switch mounts

QUALIFICATIONS

Computer and Technical Skills

- Programming experience with C programming, Arduino, MATLAB, C++, and QTCreator
- Computer assisted drafting experience through SolidWorks
- Experience with Microsoft Word, PowerPoint, and Excel

Relevant Coursework

- Mechanical Engineering: Statics, Dynamics, Mechanics of Materials, Intro to Design
- Mathematics: Calculus, Linear Algebra, Differential Equations
- Fundamentals of Engineering Honors (FEH) first year programming and robotics

HONORS AND ACTIVITIES

- Member of the Ohio State Fundamentals of Engineering Honors Program (FEH), 2 Semesters
- Achieved Dean's List, 1 Semester
- Member of the Ohio State Car Club

WORK EXPERIENCE

Marshall's, Mason, OH

Sales Associate

April - August, 2013; June – August, 2014

- Utilized leadership and extensive interpersonal skills to maintain a high quality of customer service
- Gained multi-tasking skills working in a fast-paced environment