
STEVEN SMITH

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SUMMARY OF QUALIFICATIONS

Upcoming Mechanical Engineering graduate with a proven ability to provide technically feasible solutions to complex engineering challenges. Balanced a full-time class load with extensive involvement in the University's Society of Automotive Engineers organization, gaining outstanding experience working with a team to design, build, and race a competition-ready Formula racecar.

ACADEMIC BACKGROUND

Bachelor of Science in Mechanical Engineering (May 2012)

TRUMAN STATE UNIVERSITY, Kirksville, MO

Relevant Coursework: The Finite Element Method, Mechanical Design, Thermal Systems, Microcontrollers, Automotive Design, Measurement and Experimentation, Mechanical Design I/II, Dynamics of Machinery, Heat Transfer, Thermal Systems, Control Systems, Fluid Mechanics, Strength of Materials, and Engineering Calculus

ENGINEERING EXPERIENCE

BULLDOG MOTORSPORTS, Kirksville, MO

2008 to Present

Designer / Engineer

Joined the Bulldog Motorsports Formula team as a freshman and served in progressively complex design roles for the School of Engineering's popular organization that designs and builds award-winning racing vehicles. Specialized in chassis design and composites on a cross-discipline team that built a Formula SAE racecar that could go from zero to 60 in less than three seconds with a top speed of more than 100 miles per hour.

Key Contributions:

- Played an integral role in designing the shift system on the car that placed 3rd in a California competition.
- Consistently finished in the top 10 in the design, presentation and endurance categories.
- Contributed to the design of a carbon fiber frame, making the car lighter and stiffer than its competitors.
- Managed the design and fabrication of both the front and rear wings and the new active aero system.
- Gained hands-on experience in project management, design, manufacturing, testing, and teamwork.

Additional Non-Engineering Experience:

Maintenance Technician – Meadowbrook Apartments, Lawrence, KS (2011)

TECHNICAL PROFICIENCIES

Design Applications: Solid Works, Flow Works, Composites Pro, Autodesk Inventor, Adobe Photoshop CS5

Microsoft Office: Word, Excel, PowerPoint, Access

Programming Languages: C++, MATLAB

PROFESSIONAL & VOLUNTEER INITIATIVES

Student Member – Society of Automotive Engineers

Eagle Scout – Boy Scouts of America

Lead Administrator – Oldsmobile Aurora Owners Forum