

State M. Engineer

(555) 777-8888 • smengineer@ncsu.edu • www.linkedin.com/in/smengineer • <https://github.com/stateengineer>

EDUCATION

B.S. Mechanical Engineering | North Carolina State University, Raleigh, NC

Anticipated May 20XX

Minor in Graphics Communication | **Cumulative GPA: 3.75**

Honors/Scholars Program | Dean's List all semesters

Relevant Coursework: Dynamics, Heat Transfer Fundamentals, Solid Mechanics, Thermodynamics II, Principles of Electrical Engineering, Intro to Mechanical Design

WORK EXPERIENCE

Resident Advisor | North Carolina State University Housing | Raleigh, NC

Oct 20XX - Present

- Developed a residential community and enhanced educational development for residents using social media and in depth one on one interactions
- Responded to crises, incidents, and emergencies with an ethic of care and completed incident reports to ensure resident safety and wellbeing

Project Engineering Intern | WestRock | Roanoke Rapids, NC

May 20XX - Aug 20XX

- Undertook multiple \$100k projects using the front-end loading project engineering method and developed an understanding of the engineering design process
- Produced drawings in and taught co-workers AutoCAD for machined parts and structures
- Technically communicated with contractors and engineering firms to procure quotes and services

Structures Team Member | SolarPack (NC State University Club) | Raleigh, NC

Aug 20XX - May 20XX

- Designed the chassis and roll cage of a solar power vehicle using Fusion 360 and Finite Element Analysis
- Collaborated and shared ideas with team members on material, structure, and design solutions

Lifeguard/Manager | Aquatech Pool Management | Charlotte, NC

Apr 20XX - Aug 20XX

- Managed a lifeguard staff of 12 employees and maintained pool safety at a local pool; promoted multiple times
- Maintained pool chemistry and operated a pump room for 100% safe operations

PROJECTS

Rotational Launcher Project

- Designed, mathematically modeled in MATLAB, drafted in SolidWorks, and built a device that launched a ball at a given distance based on initial parameters with an accuracy of 90%

Pump Troubleshooting Project

- Utilized flow meters, power usage and pump charts and diagnosed potential problems with an underperforming pump and improved efficiency by conserving water that was otherwise being sent to overflow
-

SKILLS

SolidWorks, Fusion 360, AutoCAD, MATLAB, JDE, Microsoft Projects, LabView

CERTIFICATIONS

OSHA 10-Hour General Industry Course, Lean Six-Sigma White Belt, CSWA in SolidWorks

CAMPUS INVOLVEMENT

Vice President | NC State University Unicycle Club | Raleigh, NC

Nov 20XX - Present

- Organize weekly group activities and aid in the handling of team funds and logistics
- Recruit, coach, and support 30 club members yearly