

Sean Connolly

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Objective

Seeking a full-time, entry-level position that will allow me to support myself while I seek full time employment as a mechanical engineer or control systems engineer.

Education

BS in Mechanical Engineering
North Carolina State University, Raleigh NC
GPA: 3.45
Graduated December 2018

Relevant Coursework

- Mechanical Engineering Design
- Mechatronics
- Principles of Electrical Engineering
- Technical Communication for Engineers

Skills

Key Skills

- Confident working in a team
- Communicates effectively through technical writing
- Comfortable in a leadership position

Technical Skills

- **Proficient in tungsten arc welding**
- Applied PID control principles in class projects
- Practiced in SolidWorks (CAD)
- Used Arduino Uno for mechatronics class
- Familiar with Git, Windows 7, 8, and 10 OS, Fortran, Microsoft Word, Excel, and PowerPoint

Projects/Research

EcoPRT – Autonomous Vehicle Path-Following Simulation and Control

Advisor – Dr. Seth Hollar at North Carolina State University

May 2018 – December 2018

- Studied vehicle dynamics and path-following algorithms for ground-based autonomous vehicles
- Simulated performance in Matlab and gained practice designing control systems in Simulink

Work Experience

Dairy Processing Assistant - NCSU Dairy Processing Lab

Raleigh, NC. February 2017- May 2017, August 2017 – February 2018

- Tasks included maintaining and organizing the storage cooler, sanitizing lab equipment, preparing large orders for pick up, and unloading trucks
- Cooperated with co-workers to complete tasks in a timely and efficient manner with no supervision needed

Math Teacher, Robotics Team Coach – Principia Academy

Cary, NC. May 2018 – Present

- Able to teach advanced concepts to our FTC robotics team
- Prepared lessons for academically advanced students based on PSAT preparation

References available upon request