

## EDUCATION

**North Carolina State University** | *Raleigh, NC*

**May 2021**

B.S. in Industrial and Systems Engineering, Minor in Business Administration

## WORK EXPERIENCE

**Jersey Mike's Subs** | *Cary, NC*

**March 2016 – January 2020**

- Led a crew of other part-time employees as a shift leader to help customers, coordinate catering orders, maintain equipment, and assess inventory needs

**Goodberry's Frozen Custard** | *Cary, NC*

**July 2014 – August 2016**

- Worked as a part-time employee to serve customers, record stock, and clean premises

## PROJECT EXPERIENCE

**Server Farm Waste Heat Capture: Engineering Entrepreneurs Program**

**August 2020 – Present**

- Working as a team to create a product and company to capture the waste heat generated by servers

**Paperweight: ISE Manufacturing Group Project**

**September 2018 – November 2018**

- Designed a paperweight subject to constraints and criteria given
- Utilized both a mill and lathe CNC machine to manufacture an aluminum base and wax crown

**Electric Sports Car: Engineering Entrepreneurs Program**

**January 2018 – May 2018**

- Worked as part of a team to create a custom electric vehicle from the chassis of an old Corvette
- Designed and modeled various components for fabrication

**Desk Extender: ISE Product Design Group Project**

**September 2017 – November 2017**

- Utilized the engineering design cycle to identify opportunity, customer needs and product specifications
- Designed, prototyped, tested, and documented product concepts using AutoCAD and polymer 3D printing

**Custom PC Building Service: ISE Visual Basic for Applications Project**

**March 2017 – May 2017**

- Designed front-end UI for customers to order from, and separate UI for employees to receive orders, check stock, and update WIP
- Created back-end database to store information about parts including compatibility between different parts

**Nuclear Power Probe: Freshman Engineering Design Group Project**

**September 2016 – November 2016**

- Led a team to construct a probe with a photodiode to measure the Cherenkov radiation present in the PULSTAR Reactor pool to experimentally estimate the power output

## ACTIVITIES

**Seoul National University** | *Study Abroad*

**March 2019 – June 2019**

**NCSU Engineering Entrepreneurs Program** | *Enrolled*

**January 2018 – Present**

**National Academy of Engineering Grand Challenge Scholar** | *Active Member*

**November 2017 – Present**

**NCSU Entrepreneurship Initiative** | *Active Member*

**May 2016 – Present**

## SKILLS

Microsoft Excel | Visual Basic | C# | SQL | Fusion 360 | G-code | Project Management | Entrepreneurship  
Product Design | UX Design | Data Analysis | Agile Thinking | Lean Six Sigma