

## EDUCATION

North Carolina State University | *Raleigh, NC*

May 2021

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

## PROJECT EXPERIENCE

Processor Waste Heat Capture: Engineering Entrepreneurs Program

August 2020 – Present

- Currently working as a team to create a product and company to capture the waste heat generated by CPUs, GPUs, and ASICs in server and cryptocurrency mining farms.

Electric Sports Car: Engineering Entrepreneurs Program

January 2018 – May 2018

- Worked as part of a team to create a fully functional custom electric vehicle from the chassis of an old ICE car
- Designed and modeled various components for fabrication
- Performed market analysis and created financial models, goals, and reports

Custom PC Building Service: ISE Visual Basic for Applications Project

March 2017 – May 2017

- Designed separate front-end UI for customers and employees in VBA that were connected to a custom back-end database of parts that stored inventory and compatibility information

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

Paperweight: ISE Manufacturing Group Project

September 2018 – November 2018

- Designed, modeled, then utilized a mill and lathe CNC machine to manufacture an aluminum base and wax crown subject to specified design constraints

Nuclear Power Probe: Freshman Engineering Design Group Project

September 2016 – November 2016

- Worked as a team to construct a probe to experimentally measure the power output of NCSU's nuclear reactor

## ACTIVITIES

Seoul National University | *Study Abroad*

March 2019 – June 2019

NCSU Engineering Entrepreneurs Program | *Active Member*

January 2018 – Present

National Academy of Engineering Grand Challenges Scholars Program | *Active Member*

November 2017 – Present

NCSU Entrepreneurship Initiative | *Active Member*

May 2016 – Present

## SKILLS

Microsoft Excel | VBA | C# | SQL | CAD | CAM | Fusion 360 | G-code | Lean Six Sigma | Project Management | Manufacturing | UI & UX Design | Data Analysis | Supply Chain Analysis | Entrepreneurial Thinking | Operations

## WORK EXPERIENCE

CVS Pharmacy | Pharmacy Technician | *Morrisville, NC*

December 2020 – Present

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

March 2016 – January 2020

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

July 2014 – August 2016