

## EDUCATION

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

**May 2021**

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

**Seoul National University** | *Seoul, Republic of Korea*

**March 2019 – June 2019**

Study Abroad Coursework in ISE and Business

## 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

**Paperweight: ISE Manufacturing Group Project**

**September 2018 – November 2018**

- Designed a paperweight subject to constraints and criteria given
- Utilized both a milling and lathe 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 the front/rear battery housing and 3D printed the digital instrument panel housing

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

**September 2017 – November 2017**

- Utilized the engineering design cycle to identify opportunity, customer needs and product specifications
- Generated, designed, prototyped, 3D printed, tested, and documented product concepts using AutoCAD

**Entrepalooza Entrepreneurship Festival "Minute to Pitch It" Competitor**

**September 2017**

- Competed as one of 15 selected startups to give a minute-long pitch to hundreds of people
- Audience votes for the winner of \$1000 prize

**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 measure the power output

## ACTIVITIES

**Engineering Entrepreneurs Program** | *Enrolled*

**January 2018 – Present**

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

**November 2017 – Present**

**Entrepreneurship Initiative** | *Active Member*

**May 2016 – Present**

**Albright Entrepreneurs Village** | *Resident*

**August 2017 – December 2018**

## SKILLS

Microsoft Excel | VBA | C# | AutoCAD | SQL | G-code | Project Management