

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 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

Paperweight: ISE Manufacturing Group Project

September 2018 – November 2018

- Designed a paperweight subject to constraints and criteria given
- Utilized both a milling 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 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

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

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