

# ROSS HILLMAN



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## EDUCATION

North Carolina State University | May 2021

Raleigh, NC

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

Seoul National University | February 2019 - June 2019

Seoul, Republic of Korea

- Study Abroad Coursework in ISE and Business

## SKILLS AND ABILITIES

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

## WORK EXPERIENCE

Shift Leader

Cary, NC

Jersey Mike's Subs | March 2016 - December 2019

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

## 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 Partner Project

March 2017 - May 2017

- Designed front-end UI for customers to order from, and separate UI for employees to receive orders and check stock
- Created back-end database to store part names and type, stock quantity, and compatibility between 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 determine the power output

## ACTIVITIES

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

Engineering Entrepreneurs Program | Enrolled