

# Ross Hillman

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## EDUCATION

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

**May 2021**

B.S. in Industrial Engineering

Minor in Business Administration

## SKILLS

SQL, Data Analysis, Microsoft Excel, VBA, C#, Lean Six Sigma, Project Management, CAD/CAM, UI & UX Design, Performance /Process Improvement, Supply Chain Analysis, Entrepreneurial Thinking

## PROJECT EXPERIENCE

**Processor Waste Heat Capture: Engineering Entrepreneurs Program**

**August 2020 – May 2021**

- Designed then prototyped a product and company to capture the waste heat generated by CPUs, GPUs, and ASICs in server and cryptocurrency mining farms.

**Bus Route Simulation and Optimization: ISE Simulation Group Project**

**September 2019 – November 2019**

- Collected data on NCSU bus routes to model them in statistical simulation software, then experimentally optimized routes, timings, and shifts in simulation.

**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**

**September 2017 – November 2017**

- Designed separate UIs for customers and employees in VBA that were connected to a custom back-end database of parts that stored inventory and compatibility information.
- Back-end tracked data and provided useful insights to employees on both inventory and customer trends.

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

**March 2017 – May 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.

**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** - Member

January 2018 – May 2021

**National Academy of Engineering Grand Challenges Scholars Program** - Member

November 2017 – May 2021

**NCSU Entrepreneurship Initiative** - Member

May 2016 – May 2021

## WORK EXPERIENCE

**CVS Pharmacy** – Registered Pharmacy Technician – Morrisville, NC

December 2020 – Present

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

March 2016 – January 2020