

AARON HARTZELL

MECHANICAL ENGINEERING | 2023 COHORT
STOCKHOLM, SWEDEN



ABSTRACT

Starting out in GEARE with a focus in Chinese and the plan to go to SJTU in Shanghai, the idea of going to Stockholm was not even on my horizon. With the advent of COVID, I had to change my plans, and I am so glad that I still got to go abroad. I learned to take risks and to realize that if your first option is no longer an option, do not be afraid to go a different direction!

DOMESTIC EXPERIENCE

PRODUCT ENGINEERING CO-OP | JUNE 2021 – JULY 2022
CLARKSVILLE, TN

- Managed ordering and tracking of parts for multiple prototype builds to guarantee an issue-free, smooth build process
- Developed tool in Microsoft Excel to compare lab test data and simulation data of various conditions across multiple product lines

INTERNATIONAL EXPERIENCE

LAB RESEARCH ASSISTANT | APRIL 2023 – JULY 2023
STOCKHOLM, SWEDEN

- Designed and assembled electronics control board for water-to-water heat pump to assure easy operation of system
- Formulated start-up, running, and data acquisition documents for heat pump to allow for easy operation after my departure

KTH ROYAL INSTITUTE OF TECHNOLOGY

CLASSES

- Heating, Cooling, and Indoor Climate
- Additive Manufacturing
- CAD 3D Modeling and Visualization
- Swedish Society, Culture, and Industry in Historical Perspective

GLOBAL DESIGN PROJECT – MODULARIZATION OF PRODUCTS

Worked with German, Indian, and Polish students to design a modular electric car charging station. This project was run in a class by a Stockholm-based company called Modular Management, a group who helps companies modularize their products for easy configurability.

CULTURAL EXPERIENCES

- Learned basic Swedish
- Visited 10 countries
- gained close friendships with Hungarian friends during exchange
- drank a lot of coffee and ate a lot of kanelbullar and köttbullar

