

Darren Biskup

EDUCATION

University of Illinois, Urbana-Champaign

GPA:3.8

B.S. Mechanical Engineering, Minor in Computer Science

MAY 2023

- *American Society of Mechanical Engineers*
- *James Scholar*

EXPERIENCE

Mechanical Engineering Intern, Lucid Motors

MAY 2021 - AUGUST 2021

- As part of the High Voltage Battery team, I investigated if the number of bolts used to join busbars could be reduced without compromising performance beyond specified limits. I built and ran stress tests for busbar joints in the high voltage chain to validate the potential changes.

Eco Illini Supermileage

JAN 2021- PRESENT

- Member of the Mechanical Subteam working on battery packaging for the G5E Electric vehicle. The challenge was to develop a strategy of fastening the battery in a tight space while leaving access to both terminals of the battery.

Assistant Tennis Coach, Los Altos Recreation Center

JULY 2018 - MARCH 2020

- Taught beginner tennis lessons to a class of 8-12 students with Coach Francois Chan.

SKILLS

Computer Programming

- Proficient in Java, self-taught Python, HTML, and CSS

Autodesk Fusion360, Solidworks (beginner)

Mandarin (fluent), Japanese (intermediate)

PROJECTS

Magic Hanger

- Redesigned a clothes hanger to make it easier for people with disabilities to use at Georgia Tech Industrial Design Summer of 2018. Constructed working foam prototypes and also created CAD models using Fusion360.

The Fishcraft

- Designed and built a hovercraft from scratch at Rose-Hulman Institute of Technology in Terre Haute, Indiana. Also created technical drawings from Fusion360 CAD models.

Subwoofer Restoration

- Used power tools to grind and replace a pair of worn subwoofer cones, then used tuning software to attach the precise amount of mass to the speaker cones to resonate with the passive radiator.

LEADERSHIP

- Assistant Tennis Coach for Coach Francois Chan
- Official Piano Accompanist of Homestead High School Symphony and Chamber Orchestra (2018-2020)