

## Education

**The Pennsylvania State University, University Park, PA**

- Bachelor of Science in Mechanical Engineering
- Dean's list - December 2014, May 2017

Class of May 2018

GPA: 3.2/4.0

**Hochschule Pforzheim University, Pforzheim, Germany**

- Engineers Made in Germany Summer School

May 2017 - July 2017

GPA: 3.5/4.0

## Work Experience

**Emerson Automation, Rosemont, IL**

April 2023 – Present

*Design Engineer I, Design Engineer II*

- Perform sustaining work on existing products by updating drawings to improve design and meet certification demands
- Research and develop new products including cord grips, pilot lights, manufacturing tooling, etc.
- Create models of new product designs as well as new tooling using Creo and AutoCAD
- Coordinate and manage projects with overseas engineering teams and vendors to improve manufacturing of consumer products

**Kafka Manufacturing, Forest Park, IL**

October 2019 – 2023

*Mechanical Design Engineer*

- Designed cab enclosures, doors & various parts for elevators in SolidWorks
- Worked directly with clients to meet their design needs
- Rendered design proposals for potential & existing clients

**E-Quip Manufacturing (Contracted through Express Employment), Frankfort, IL**

March 2019 – September 2019

*Mechanical Design Engineer*

- Designed industrial equipment for food processing using SolidWorks

**Penn State Office of Physical Plant, University Park, PA**

June 2016 – December 2016

*Project Management Intern*

- Identified cost effective engineering solutions to reduce Penn State's carbon emissions
- Conducted research regarding the capabilities of battery energy storage systems

## Relevant Experience

**Senior Design Project, State College, PA**

August 2017 – December 2017

*Design Lead*

- Worked with Sikorsky to develop a quadcopter
- Worked with another team member to design the airframe

**Personal Design and Machining Experience, Multiple Locations**

April 2010 – Present

- Designed and built an electric guitar from an exit sign
- Developed and constructed a functioning full-size replica of a Peel P50
- Wrote and code independent video games

**Penn State Formula SAE, State College, PA**

August 2014 – December 2015

*Member*

- Worked with the Aerodynamics Team to design the carbon fiber exterior of the vehicle

**ENGR 408: Engineering Leadership Principles, University Park, PA**

January 2018 – May 2018

*Student*

- Led team in brainstorming and designing a solution for improving airport efficiency

## Skills

- Advanced in SolidWorks, SolidWorks Visualize, Creo, AutoCAD, Oracle, FEA, Excel and Microsoft Office Suite, GD & T, MATLAB, woodworking tools, machining tools, and manufacturing processes (Sheet Metal, CNC, 3D Printing, Sand Casting, Injection Molding, etc.)
- Strong verbal and written communication, strong ability to work in a team environment, strong problem-solving
- Working proficiency using MakerBot, Arduino, C.
- Intermediate French and Spanish
- Strong leadership, performance, and musical composition skills