

Anthony Kramer

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Objective

To obtain an engineering position to further experience in engineering.

Education

Purdue University, West Lafayette, IN

December 2020

- Ongoing Study, Bachelor of Science in Mechanical Engineering
- Minor in Electrical Engineering
- Current Relevant Classes: Mechanics of Materials, Linear Circuit Design II

Teaching Assistant

January 2019 – Ongoing

- Currently a TA for ENGR132, Transforming Ideas to Innovation II
- Gains enjoyment from helping others through class that he struggled through

Research Experience

Junior Research

August 2015 – April 2017

- Received a research grant from the Indiana Academy of Science
- Presented research at both the JSHS and ISEF conventions

Lab Supervisor, Purdue University I2I Lab

August 2017 – Ongoing

- Volunteer in Prototyping section of Ideas 2 Innovation Lab in Armstrong's basement
- Gained understanding of both additive and traditional manufacturing
- Guides others from idea conception to finished component

Research Assistant

January 2019 - Ongoing

- Undergraduate researcher in Professor Buganza-Tepole's Laboratory
- Is currently working on both a stereo vision system and pneumatic controls

Team Experience

Technical Director, St. Joseph County 4H Livestock Auction

June 2013 – Ongoing

- Coordinated team members as a volunteer
- Developed and constructed a database for use across multiple computers simultaneously
- Communicated complex ideas to other team members without technical backgrounds

Electrical Team Crew Chief, Autonomous Car Team

January 2018 – February 2019

- Developed both the main motor controller and CAN-Bus communication system
- Worked efficiently with a large team and its multiple interconnecting sections

Diversifying Experience

Developer, Personal Computer Cluster Lab

November 2017 – Ongoing

- Designed and constructed a complex computer cluster for independent projects
- Gained an understanding of Linux networking and permissions
- Runs a website and other projects for personal enjoyment

Relevant Skills

**Additive Manufacturing, Traditional Manufacturing, Low-Level Electronics, MCUs
Machine Design, Parametric CAD, C/Python, Linux, Computer Hardware, Controls**