

EDUCATION

Purdue University, West Lafayette, IN

May 2020

GPA: 3.22/4.0

- Bachelor of Science in Industrial Engineering.
- Certificate in Entrepreneurship and Innovation.

EMPLOYMENT

Cirrus Asset Management, Inc., Woodland Hills, CA

July 2019 – August 2019

Financial Analyst Intern

- Analyzed potential financial returns from acquiring for-sale multi-family properties to suggest new investment opportunities.
- Performed Waterfall Analysis to determine whether refinancing, selling, or doing nothing maximizes returns.
- Optimized and implemented Microsoft Excel templates for management fee calculations, commercial investment analysis, and commercial budgets.

Los Angeles Department of Water and Power (LADWP), Los Angeles, CA

July 2018 – August 2018

Student Professional Worker

- Designed solutions to reduce a year-long lead time in providing customers with electrical plans.
- Reduced variability in customer requirements on forms to ensure concise production criteria.

TECHNICAL EXPERIENCE

Fall Tracking System, *Team Leader*, Purdue University

October 2019 – December 2019

- Led a team of 5 to design and analyze a camera system to minimize a person's time on floor following a fall.
- Utilized a Hierarchical Task Analysis, Fault Task Analysis, and Failure Modes and Effects Analysis to determine design principles, functional requirements and failure types of proposed camera tracking system.

Northrop Grumman - Part Flow Visualization Tool, Purdue University

August 2019 – December 2019

- Consulted with an engineer at Northrop Grumman to identify scheduling conflicts between parts with varying security restrictions, resulting in an increase in back-orders.
- Designed and implemented an interactive software tool in Python to illustrate part flows throughout the facility and to highlight production rooms with potential security conflicts between incompatible parts.
- Performed usability testing to evaluate the tool's design and utility with sample users.

@Capacity, *Team Leader*, Purdue University

August 2018 – December 2018

- Led a team of 7 to develop a multi-tiered website system that matches empty warehouses with potential tenants while using PHP, MySQL, R, and HTML.
- Produced an interactive interface that provided meaningful metrics for warehouse landlords and tenants.

Thermocouple Data Modelling, Purdue University

January 2017 – May 2017

- Formulated a first-order system to model the performance and efficiency of 100 thermocouples using MATLAB, while collaborating on a team of 4.
- Developed a model to assign a selling price based on the thermocouple's accuracy and sensitivity to temperature change.

Kimberly Clark Design Project, Purdue University

October 2016 – December 2016

- Collaborated on a team of 4 to design a solution to reduce trash waste in bathrooms to less than 1%.
- Presented a video to Kimberly Clark with an analysis of the current system and a wireframe of our solution.

SKILLS

- MySQL; PHP; C Experience; MATLAB Experience; R Experience; \LaTeX ; Ubuntu Server Experience.
- Microsoft Excel; Microsoft Visio; Autodesk Inventor; SAP Experience; Minitab Experience.