

EDUCATION

Purdue University, West Lafayette, IN

May 2020

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

GPA: 3.26/4.0

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

Factory Simulation Optimization, *Subteam Leader*, Purdue University

January 2020 – May 2020

- Facility Layout subteam lead for a factory with 10 unique parts manufactured on 25 machines in Arena Simulation Software.
- Decreased Time in System for parts by 42%.
- Reduced Work in Process by 26%.

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 (HTA), Fault Task Analysis (FTA), and Failure Modes & Effects Analysis (FMEA) 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.

SKILLS

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

CERTIFICATIONS

IISE Lean Green Belt; General Amateur Radio License