

RISHI MOHAN

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EDUCATION

UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN

Bachelor of Science

Industrial Engineering, Minor in Statistics

Cumulative GPA: 3.56 / 4.0

Champaign, IL
Expected May 2023

EXPERIENCE

ILLINI SOLAR CAR

Alumni Coordinator

Director of Operations

Urbana, IL

May 2022 – Present

May 2021 – May 2022

- Manage network of team alumni to act as advisory board for vehicle design & operational decisions
- Assist in operational coordination for team, helping manage \$100k+/yr. in cash & material through 501c3 designation, grant applications, and corporate sponsorship
- Provided design and logistical support for major vehicle milestone components, including molds, battery box
- Administer project management software Jira for team of 250+ students

SIEBEL CENTER FOR DESIGN

Project Coordinator & Workshop Attendant

Champaign, IL

August 2021 – Present

- Supervise and collaborate on 2-4 workshop improvement projects involving 20 lab attendants through the design process, including software development, graphic design, and equipment construction
- Train workshop guests on operation of fabrication equipment including full woodshop, waterjet cutter, laser cutters, and large-format printer
- Using prototype inventory management & tool control software, train and authenticate staff and guests on equipment, and hand & power tools
- Provide assistance during open hours to guests on CAD/CAM, product design & manufacturing, graphic design, and photography / videography

EATON, VEHICLE GROUP

Operations Management Intern

Kearney, NE

May 2022 – August 2022

- Gathered data and tracked theoretical production capacity of 25+ part numbers across 9 machine groups on 6 production lines
- Analyzed cycle time data versus realized production data to determine operating efficiency and change in production capacity over time, creating a linear model to forecast true production for a given line
- Updated grinding wheel collection data across all machine groups on finishing lines to inform purchasing
- Visualized key line performance data indicators to help identify root cause for production shortfalls & target potential improvements including capital investment, machine rebuilds, etc.

PROJECTS

JIRA IMPLEMENTATION – ILLINI SOLAR CAR

May 2021

- Performed benefit-cost analysis on potential implementation using information from previous software implementation attempts, consulted PMP & Lean professionals on best-practices and architecture
- Using Linux cloud VPS, installed and configured network backend to enable secure team management including plugins for version control integration, automation, purchasing tracking to match team workflows

CYCLE TIME ANALYSIS STUDIES – EATON

July 2022

- Helped maintain database of per-shift line performance data, using data to inform production goals
- Used data to model and visualize true shift performance to provide executive clarity on annual performance changes, target areas for improvement, and alleviate scheduling complexity

ADDITIONAL

Technical Skills: Python, R, Git, AMPL, SQL, Autodesk Inventor, 3D printing, Waterjet, Adobe suite, Office suite

Certifications & Training: Lean Six Sigma Green Belt, Lean Green Belt