

HENRY HART

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OBJECTIVE

Bachelor of Science in Industrial & Systems Engineering candidate with a strong work ethic, passion for problem solving, and a manufacturing background. Seeking an internship opportunity Summer 2020 to gain field experience.

EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY, College of Engineering Bachelor of Science in Industrial & Systems Engineering

Atlanta, Georgia

December 2020

- Zell Miller scholarship recipient, Staples Dependent national scholarship recipient, Georgia Tech Alumni Association scholarship recipient

GPA: 3.70

EXPERIENCE

SHAW INDUSTRIES INC.

Dalton, Georgia

Quality Engineer Co-Op

May-August 2019

- Conducted an internal audit of the Quality Engineering Lab to create a streamlined process for testing across all plants in our division
- Analyzed water usage during new testing processes to set a baseline for plants in our division
- Oversaw daily sample reviews for potential quality defects before running through the main production line

Industrial Engineer Co-Op

August-December 2018

- Performed job study on the material handler to assess job utilization and made the recommendation to reduce the number of positions to save labor costs
- Collected data to assess yarn durability across machine types to improve efficiencies
- Created a Visual Basic Application to decrease time to compile the weekly waste report from 2 hours to 5 minutes

PROJECTS

ATLANTA BELTLINE WEB APPLICATION

Georgia Tech

CS 4400 – Introduction to Database Systems

February-May 2019

- Created HTML based application for user interaction with Atlanta Beltline events and transportation
- Integrated Python, HTML, and SQL to create a functioning system allowing users to sign up, create, or manage events based upon their user status

STATISTICAL ANALYSIS OF OBESITY IN AMERICA

Georgia Tech

ISYE 2028 – Statistical Methods

February-May 2018

- Performed a wide variety of statistical processes such as regression modelling, hypothesis testing, and data modeling
- Used R and RStudio to create a comprehensive report and draw over-arching conclusions on obesity in America

LEADERSHIP

VICE PRESIDENT OF FINANCE

Georgia Tech

Alpha Tau Chapter of Kappa Sigma

November 2018-2019

- Manage over \$650,000 in annual revenue and budgets
- Develop solutions to problems in the chapter while serving on the executive committee
- Foster relationships both internally and externally to achieve smooth chapter operations
- Oversaw the philanthropy committee where we developed a new event, Casino Night, that broke our record for money raised by more than \$1,000

SKILLS

Skills: Microsoft Office (Excel, PowerPoint, etc.), Probability & Statistics with Applications

Coding: Python, SQL, HTML, R & RStudio, Minitab, VBA, Arena Simulation Software, Gurobi Optimization Software

Volunteer: Red Cross blood drive volunteer, Kick the Stigma Games suicide prevention, Atlanta Mission homeless shelter