

Stefania Lucia Haag

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EDUCATION

University of Michigan- Dearborn

Bachelors of Science in Engineering

GPA: 3.62 (Major GPA: 3.71)

Dearborn, MI

Major: Industrial and Systems Engineering

Expected Graduation: April 2015

Relevant Coursework: *Engineering Economy and Decision Analysis; Engineering Probability and Statistics; Human Factors and Ergonomics; Manufacturing Processes; Operations Research; C++ Computer Programming; Engineering Computer Graphics; Simulation in Systems Design; Six Sigma and Statistical Process Improvement; Production, Inventory Control, and Lean Manufacturing; Information Systems Design; Engineering Ethics; Senior Design Project*

INDUSTRIAL ENGINEERING EXPERIENCE

Chrysler Warren Stamping Plant (WSP), Manufacturing Intern

Warren, MI - Summer 2013 - Winter 2014

- Used AutoCAD to design an improved layout for coil storage in the Press Room; Final recommendation maximized space such that the optimum number of coils based on average run patterns could be stored and also stayed in compliance with the safety requirements due to the high risk of injury in the storage area
- Identified the workload saturation for Hilo and Tugger drivers servicing the 47 assembly lines in the facility through robust process analysis; the analysis results were used to validate driver deployment on numerous assembly lines and to determine the optimal amount of drivers needed on the plant floor which resulted in \$225,000 cost avoidance
- Implemented a self-guided vehicle route to bring material and racks to the progressive lines at WSP to eliminate inefficient Hilo driver routes resulting in \$130,000 annual savings attributed to excess travel and the deployment of one Hilo driver; the analysis and implemented results of this project were presented as a representation of continuous improvement in the Material Logistics Management department in the 2013 World Class Manufacturing Audit at WSP

Walt Disney World Parks & Resorts, Industrial Engineering Intern

Orlando, FL - Winter 2013

- Cleaned and analyzed historical Disney Cruise Line (DCL) Youth Activity schedules to determine the ratio of counselors to children for DCL fleet, which verified that ship standards were met; Presented findings to DCL client
- Identified the optimal number of room deliveries per luggage run to meet Disney's luggage service delivery time standard at eight Campus-Style Disney Resorts through data collection and analysis; Designed over 20 data collections at the Resorts and communicated with various Resort managers and bellmen to obtain qualitative data, which supported the final recommendations presented to the client

Goodwill Industries of Greater Detroit, Industrial Engineering Intern

Detroit, MI - Summer 2012

- Designed and implemented process changes to License Plate Bracket assembly lines based on collected data and the analysis there of which resulted in an overall production increase of 44% and elimination of many ergonomic risks
- Lead a team in creating a training module to be used as a certification process for newly hired operators; Oversaw the implementation and measured results of the trained operators to assist HR with start-up of the training program
- Worked with management team to prepare for a TS16949:2009 audit; primarily focused on writing and reviewing APQP documents such as PFMEAs, Control Plans, work instructions, process visual aids, and process flow charts

STUDENT ORGANIZATIONS AND LEADERSHIP

Alpha Pi Mu; Amnesty International; Institute of Industrial Engineers; Society of Manufacturing Engineers; Society of Women Engineers (SWE); SWE Historian 2012; Tau Beta Pi (TBP); TBP Recording Secretary 2012, 2014

PROFICIENT SKILLS

Microsoft Excel, PowerPoint, Word, and Visio; Basic AutoCAD 2D Layout Design; Arena Simulation Software

SCHOLARSHIPS AND HONORS

Alpha Pi Mu Ind. Engineering Honors Society; Dean's List 2012; Dean's List 2013; Honors Transfer Innovators Honors Program & Scholarship; Industrial and Systems Engineering Undergraduate Honors Scholar 2014; Junge Family Endowed Scholarship; Tau Beta Pi Engineering Honors Society; UM-Dearborn Difference Maker 2014