

Lei Zhao

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SUMMARY

I am an open-minded industrial engineering graduate student, who has achieved excellent academic performance and gained strong teamwork, interpersonal communication and leadership skills through extensive internship and projects experiences and who loves his major significantly and hopes to pursue a career in the manufacturing industry.

CORE COMPETENCIES

Primal strengths include lean manufacturing (5S system, Standardized Work, JIT, Pull/CONWIP production line, VSM, and TPM etc.), six-sigma management (DAMIC processes, lean six-sigma tools and six-sigma design etc.), manufacturing system design (Factory physics laws, process flow, line balancing, shop floor control and layout design etc.), simulation in ProModel, supply chain management and strong statistical data analysis skills using Minitab.

EDUCATION

University of Michigan, Ann Arbor, MI December 2012 Expected
M.S. in Industrial & Operations Engineering GPA: 3.9/4.0
Coursework: Statistical Quality Control, Manufacturing System Design, Operations Analysis and Management and etc.

University of Science and Technology Beijing, Beijing, China June 2011
Bachelor of Engineering in Safety Engineering GPA: 3.7/4.0; Major GPA: 3.81/4.0
Coursework: Economics and Management, Safety System Engineering, Safety Human-machine Engineering and etc.

EXPERIENCE

Asia Pulp & Paper (China) Co., Ltd.-Suzhou, China July 2012-September 2012
Industrial Engineer Intern (Team Leader)

- Led a team to compose SOP (Standard Operation Procedure) for the 2860-210 folding machine assembly line, which turned out to be a more reasonable and effective instructive document to train new operators
- Conducted time and motion studies within each assembly unit to achieve a more accurate standard time to guild production progress and a much more efficient working sequence and method with fewer wastes
- Promoted 5S activity especially in the folding machine assembly workplaces which resulted in a much cleaner, safer and more organized production and storage areas, reduced assembly cycle time by approximately 50%
- Designed the future plant layout with comprehensive consideration of motion and cost economy, meanwhile satisfy the future forecasting demands.

ACADEMIC PROJECTS

Manufacturing System Design: Collaborated in designing three optimized car-assembling lines under given equipment reliabilities which could satisfy the customers' annual demand with less wastes produced and less cost spent based on lean manufacturing principles.

Simulation: Simulated the real environment of a Chinese restaurant in ProModel. According to the simulation results, proposed effective countermeasures to rationalize the workload of employees and reduce customers' average waiting time in order to increase the overall service level and reduce operational cost.

COMPUTER SKILLS

Languages: Visual Basic, C, C++, C#, MATLAB, Ample

Applications: MS Office, MS Access, MS SQL Server, MS Visual Studio, CAD, ProModel, Minitab, PAMS

AWARDS

Delong Scholarship, 2010; Grand Prize of People's Scholarship, 2009; Second Prize in Mathematics Contests in Modeling, USTB, 2009; National Encouragement Scholarship, 2008; Merit Student in three successive years, 2010, 2009, 2008

ACTIVITIES

Part-time job in the service area at the North Campus' Bursley Dining Hall
Volunteer at University of Michigan's North Campus fall-term career fair

October 2011-December 2011
September 2011