Han (Frank) Lu

6837 Kingsbury Blvd, St. Louis, MO, USA 63130
Phone: (314) 484-2932 | E-mail: hlu25@wustl.edu

EDUCATION

Washington University in St. Louis, Olin Business School, MO **Graduation December 2014**
Master of Science in Supply Chain Management, Current GPA: 3.63/4.00

University of Minnesota - Twin Cities, Minneapolis, MN **September 2009 - May 2013**
Bachelor of Arts in Economics; Minor in Computer Science
Overall GPA: 3.589/4.00, Major GPA: 3.79/4.00. Dean's List

EXPERIENCE

The Boeing Company, St. Louis, Missouri **October 2014 – Present**
Supply Chain Risk Modeling & Simulation Project Student Consultant

- Develop and execute a proactive supply chain vulnerability assessment that will facilitate better understanding of the interconnections as well as outside influencing factors affecting the supply chain.
- Develop a comprehensive supply chain model using Monte Carlo Simulation which incorporates concepts of resilience to quantify the disruption threat at various locations within Boeing's supply chain, including parameters: disruption probability, respond time, time to recover, customer behavior, and work transfer.

Mallinckrodt Pharmaceuticals, St. Louis, Missouri **May 2014 – August 2014**
Business Analyst Intern (Cross-functional) – Global Supply Chain & Marketing Research

- Optimized reporting for KPI metrics in distribution, inventory control, and on-time delivery, by developing MS Access databases and Excel reports dashboard using SQL and VBA to automate the existing reporting process.
- Initiated a Lean process improvement project for the order planning process by utilizing Value Stream Mapping (VSM) tool to identify supply chain gaps, and offered counter measures to the senior management.
- Responsible for conducting product-level forecast accuracy analysis to calculate MAPE & Bias metrics, and for communicating it periodically to the Demand Managers.
- Developed a predictive model using Multiple Regression Analysis based on primary market research data to determine how likely for a specific physician to prescribe our product Gablofen over other spasticity drug, which was expected to increase accuracy for the sales force to target the right physician by 27% utilizing Six Sigma DMAIC methodology.

Graybar Electric Company, St. Louis, Missouri **September 2013 – December 2013**
Supply Chain & Marketing Research Project Student Consultant

- Analyzed secondary data assets including: demographic data, states energy regulations, and freight volume to generate deeper insights to support Graybar's business strategic and tactical initiatives on wireless building automation system.
- Interviewed with suppliers to analyze technology development trend for wireless systems and market dynamics to propose storage optimization recommendation with goal of supporting the changing business model for wireless building automation system - from a push system to a pull system.
- Proposed the plan to utilize RFID technology with wireless sensors for more efficient and accurate inventory control in Graybar's warehouses. Presented the project deliveries to executives of Graybar including the CEO and CFO.

CITIC WT Securities Inc, Qingdao, China **May 2012 - August 2012**
Procurement Manager's Lead Assistant

- Transferred various business departments' requirements for IT support to infrastructure specifications; Assisted on the procurement plan including: Unix Server and information systems to support company's new margin trading business.
- Measured performance for both potential and existing suppliers using balanced scorecard; maintained continuous report of procurement progress and budget information to Procurement, Accounting, and IT Departments.
- Collaborated with the Procurement Manager to vertically and horizontally integrate Sales, Finance and IT Departments' reporting systems to reduce redundancies that shortened the data reporting process lead time by 33%.

Qingdao Port (Group) Ltd, Qingdao, China **January 2012 – May 2012**
Logistics Planning Intern (Qingdao Port is the largest iron ore loading port in China)

- Lead the quantitative solution analysis for the 2012 iron ore overstock crisis in Qingdao Port, jointly built linear programming model using Excel Solver to determine the percentage of stock to transfer using internal truck fleet, which expected to save about 35% cost compared to the alternative solution.
- Conducted sensitivity analysis of fuel price, warehouse size, and freight handling capacity to obtain robust solution on the transportation network for iron ore truck fleet within the port.
- Continuous evaluation of processes to enhance efficiency, recommended improvements using key metrics measured.

RESEARCH & ACTIVITY

- University of Minnesota "Teaching Smart" Volunteer: taught math and science for local elementary school students.
- South Dakota State University Summer Research: "Impact of climate change on Evolution of Influenza Virus".
- Web Developer and Marketing Consultant for entrepreneur project deliverwisdom.com that attended Minnesota Cup.

SKILLS & QUALIFICATIONS

- Certification: Certified Lean Six Sigma Green Belt – Accredited by International Association for Six Sigma
- MS Project, Excel, SQL, Java, C++, R, SAS, Ampl (Optimization Modeling), Arena Simulation, MS Visio, Minitab