TIANSHU HUANG

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EDUCATION

MASSACHUSETTS INSTITUTE OF TECHNOLOGY — Cambridge, MA
Candidate for Master of Engineering in Logistics, Supply Chain Management Program — Expected Jun 2017
- Relevant Coursework: Logistics Systems, Database Analysis, Data Mining, Supply Chain Leadership, Operations Strategy

UNIVERSITY OF TORONTO — Toronto, ON
Master of Engineering, Operations Research | GPA: 4.0/4.0 — 2013 – 2014
- Research Assistant for Dynamic Optimization and Operations Management Lab (Sept 2013 – Aug 2014)
- Teaching Assistant for Decision Analysis and Bayesian Statistics (Sept 2013 – Dec 2013)

Bachelor of Applied Science, Engineering Mathematics and Statistics | GPA: 3.8/4.0 — 2008 – 2013
- Thesis: Quantifying Leading Key Risk Indicators for Compliance, sponsored by a major Canadian Bank (Sept 2012 – Apr 2013)
- Worked at Unilever Canada via a gap year program (May 2011 – Aug 2012)

RELEVANT EXPERIENCE

WESTON FOODS INC. — Toronto, ON
Weston Foods is a leader in the North American baking industry and one of the 2 business segments of George Weston Ltd(Rev:$33B)
Process Improvement Lead – Transportation — Jan 2016 – May 2016
- Continuously explored productivity improvement and cost reduction opportunities in the existing transportation process
- Developed a new procedure for communicating LTL orders in Ontario and Quebec regions, resulting in over 80% reduction in delivery issues caused by miscommunications among Customer Service, Supply Chain, and 3rd party carriers
- Re-designed the Electronic Load Manifest (ELM) application to increase operations efficiency and communication speed among manufacturing, distribution, and transportation
- Led the implementation of trailer seals, a new requirement for load safety, to all trailers used in the Ontario distribution network

Logistics Planner – Returnable Packaging, Eastern Canada — Jan 2015 – Dec 2015
- Planned the use, distribution, and inventory of returnable packaging materials for production, distribution, and customer requirements in the Eastern Canada region and achieved 100% in supply planning accuracy and 99.98% in material fill rate
- Managed $3M budget for annual returnable packaging purchases and worked closely with 5 vendors on packaging supplies
- Facilitated training in returnable packaging management processes to ensure that roles and responsibilities are understood among 18 production facilities, 5 co-packers, 8 distribution centers, 6 third party warehouses, 20+ office workers, 30+ independent drivers, and 8 third party carrier companies in the Eastern Canada distribution network
- Took initiative in managing the delivery of fruitcake, a seasonal product that was not integrated in the supply network, through designing transportation routes for transportation, shipping-manifests for distribution, and trip sheets for carriers
- Supported transportation planning through optimizing both line-haul and store delivery networks, and scheduling carriers to move products for the Ontario distribution network

UNIVERSITY OF TORONTO — Toronto, ON
Graduate Researcher – Transportation Network Optimization — Sept 2013 – Aug 2014
- Developed 5 optimization models that minimized the total distance travelled by all transportation vehicles within a distribution network by optimally matching shippers with carriers using mixed-integer programming
- Tested each model with up to 60 suppliers, 60 products, 60 customers, and 3540 transportation routes via CPLEX Optimizer
- Constructed service constraints including supply and demand requirements, carrier capacities, and delivery time requirements

UNILEVER CANADA — Brampton, ON
TPM Continuous Improvement Engineer – Warehousing and Logistics — May 2011 – Aug 2012
- Worked as the TPM logistics engineer for Unilever Bramalea, a plant that produces dry mix soups, sauces, sides and gravies
- Maintained the Bramalea warehouse database through performing inventory cycle counts and inventory adjustments in SAP
- Oversaw the outbound delivery of 12 different finished goods from Bramalea plant to 7 U.S. and 1 Canadian distribution centers
- Facilitated workshops to up-skill warehouse operators and shippers for procedure changes caused by software upgrades
- Improved the downtime reporting sheet completion from 30% to 95% by streamlining the downtime reporting process for palletizing operations, and reduced over 80% downtimes in palletizing area by fixing the reported downtime issues
- Initiated and drove the reduction of trailers parked in the Bramalea yard from 150 to 120, resulting in 500k annual savings
- Conducted analysis on replacing the out-sourced product sticker labelling work with an additional assembly line

ADDITIONAL

Legal Status: Canadian Citizen
Software: CPLEX, AMPL, SQL, MATLAB, SAS, SAP, Oracle Transportation Management, LeanLogistics
Sports: Ping-Pong coach for 2 high schools; Company-wide Foosball Champion at Weston Foods