

Xiaoliang (Jack) Yao

262C Winn ST.

Burlington MA, 01803

5089040998

JACKYAO@MIT.EDU

EDUCATION

Massachusetts Institute of Technology

School of Engineering & Sloan School of Management

M.S., Engineering and Management

- 4.53/5.00 GPA

Cambridge, MA

May, 2017

Columbia University

Fu Foundation School of Engineering and Applied Sciences

M.S., Operations Research

- 3.63/4.00 GPA

New York, NY

May, 2013

University of Massachusetts Amherst

B.S., Industrial Engineering 3.5/4.00 GPA

B.S., Applied Mathematics 3.9/4.00 GPA

B.B.A., Operations Management 3.9/4.00 GPA

B.A., Economics 3.8/4.00 GPA

B.A., Chinese Language and Linguistics 3.2/4.00 GPA

- Cumulative 3.68/4.00 GPA

Amherst, MA

May, 2011

EXPERIENCE

Amazon.com

Pathways Operations Internship

- Reduced labor cost by \$150k annually by leveling loading daily inbound volume
- Increased inbound productivity by 40% by designing and implementing new inbound process
- Decreased inventory shrinkage due to expiration by 4.3% by introducing new promotion strategy

Seattle, WA

May 2016 – August 2016

General Electric Aviation

Business Leader

- Drove cost out from 1.2 MM to 5.4MM in 2014
- Eliminated customer impact by decreasing work stoppages from 34 in 2013 to 0 YTD
- Decreased average inventory balance from 4.7MM/Wk to 3.2 MM/Wk by implementing lean manufacturing methods.

Lynn, MA

January 2015 – December 2015

General Electric Aviation

1st Shift Production Supervisor

- Decreased aged WIP from \$1.7MM to under \$1MM
- Decreased backlog from over \$2.2MM to under \$1.5MM
- Increased shop productivity from 3% to over 8%.

Lynn, MA

July – December 2014

General Electric Aviation

Operations Management Leadership Program Associate

- 4th Assignment – FINS/Frames Production Supervisor
 - Decreased backlog from \$1.1MM to \$0
 - Decreased overtime labor by 20% from 25% to 20%
 - Decreased aged WIP from \$900K to under \$500K
- 3rd Assignment – Shipping Dock Supervisor
 - Increased On Time Delivery of all shipments from 76% to 92%
 - Decreased overtime labor and decreased foam use by 50% through new package design
- 2nd Assignment – Manufacturing Quality Engineer
 - Reduced open non-conformances by 60% through process changes
 - Increased Florissant Penetrant Inspection yield from 7% to 92% by leading weekly teaming sessions
 - Decreased instances of physical damage to hardware from 10% to 0%
- 1st Assignment – Lean Manufacturing Engineer
 - Increased the output of the Process Village Cell by over 100% by implementing lean process changes
 - Supported lean manufacturing by designing equipment and facilities layouts that induce part flow
 - Reduced the cycle time of process village by 25% from over 12 min to under the TAKT time of 10 min

Class of 2013

Cincinnati, OH

Lynn, MA

Lynn, MA

Rutland, MA

Languages

Spoken and Written Mandarin Chinese