

Johnathon F. Wheaton

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Education	Rochester Institute of Technology Masters of Engineering, Engineering Management – May 2015 – GPA: 3.73/4.00 B.S. Industrial & Systems Engineering – May 2015 – GPA: 3.67/4.00 Minor: Mechanical Engineering				
Experience	Regional Industrial Engineering Manager – Amazon.com Davenport, FL June 2019 – Present Managed four Industrial Engineers responsible for planning and process development at 13 middle-mile transportation facilities. Led labor and capacity planning achieving a 19.8% YOY improvement in productivity with no service failures during the Prime Day sale. Led cross-functional teams to develop a throughput optimization model with projected annual savings of \$14,000,000 and productivity forecasting models.				
	Senior Operations Industrial Engineer – Amazon.com Davenport, FL December 2018 – June 2019 Owned labor planning and operational process improvements for four sort centers. Developed a floor configuration optimization solver in FICO Xpress resulting in a 4% reduction in flow variance and 16% reduction in pallet transport distance. These savings amount to a \$4,500,000 reduction in labor cost. Developed insight reports in Tableau and productivity forecasting models in R used across 46 facilities to minimize customer service risk.				
	Operations Industrial Engineer – Amazon.com Davenport, FL August 2016 – December 2018 Led package flow, dispatch, and labor planning for two new building launches. Guided site operations, safety, and logistics teams through a change management process to reduce outbound staging labor touches by 29%. Developed and implemented the network's first manual fluid loading process resulting in an estimated annual linehaul cost savings of \$1,400,000. Improved auto sorter utilization from 69% to 86% through data analyses and coordination with operations and learning teams. Trained third-party air freight handlers to introduce gateway scanning, providing real-time visibility to inbound air freight. Simulated the network-wide containerization of small parcels using R during the development phase for a new parcel bag design.				
	Area Maintenance Manager – Amazon.com DuPont, WA June 2015 – August 2016 Managed teams of 8 to 12 technicians and controls specialists. Simulated outbound operations using discrete event simulation software to make data-driven sortation strategies based on equipment capabilities and employee staffing. Results provided a 2.6% increase in labor efficiency and outbound capacity. Led data-driven jam mitigation and system performance optimization resulting in an 11% increase in outbound efficiency. Automated statistical reports and alarms to escalate conveyance issues and staffing imbalances. Achieved zero unplanned mechanical downtime during the peak season with zero safety incidents.				
	Area Maintenance Manager Intern – Amazon.com Murfreesboro, TN May 2014 – July 2014 Developed the asset criticality assessment for all North American Fulfillment Centers, laying the foundation to incorporate data-driven criticality measurement into the Reliability Centered Maintenance program. Results were used to determine ultrasound and infrared imaging inspection frequencies, develop critical spares inventories, and identify reliability improvement projects. Led six teams of technicians to collect data.				
	New Product Development/Engineering Co-op – Eaton Syracuse, NY March 2013 – August 2013 Led a NPD project with expected annual revenues exceeding \$100,000. Performed mechanical validation and heat transfer testing on new designs. Developed mechanical drawings, wiring diagrams, nameplates, and user instructions. Participated in DFMEA, 5S lean events, competitor product teardowns and problem solving collaborations. Designed, assembled, and tested prototypes for validation and certification.				
	Manufacturing Engineering Co-op – Eaton Olean, NY May 2012 – August 2012 Led a Kaizen event to implement TPM and 5S into a work cell. Redesigned machinery to improve reliability using Inventor & AutoCAD. Created operating procedures, VOP's, Layered Process Audits to implement standardized work. Developed Statistical Process Control reports to troubleshoot equipment discrepancies.				
Relevant Courses	Thermodynamics	Logistics Mgmt	Advanced OR	Mechanics of Materials	Simulation
	Fluid Mechanics	Advanced Mfg. Eng.	Des. of Experiments	Engineering Mgmt	Lean Systems
	Materials Science	Production Systems	Facilities Planning	Supply Chain Mgmt	Rapid Prototyping
Certifications and Skills	C#, VBA, SQL, R, Python, AMPL, FICO Xpress, Tableau, Rockwell Arena, JaamSim, FlexSim, Minitab, Visual Studio, Solidworks, AutoCAD, Autodesk Inventor, Mastercam, Revit Architecture, SAP, Q-Pulse, MP2				