TOM **THOMAS**

[EMAIL](#) • [LINKEDIN](#)

EDUCATION

OKLAHOMA STATE UNIVERSITY
B.Sc. INDUSTRIAL ENGINEERING & MANAGEMENT | 2016
[Engineers Without Borders](#)
Webmaster
[Institute of Industrial Engineers](#)
Activities Coordinator
RELEVANT COURSEWORK
Linear Optimization Problem Modeling • Improvement Algorithms Supply Chain Strategy • Advanced Statistics
Financial/Capital Investment Analysis
Performance Measurement Systems
Data Analytics and Machine Learning

SKILLS

TECHNICAL
Programming, Modeling & Analysis
Python • R • Tableau • MS Access • PostgreSQL • Agile (Scrum) • Solidworks • AutoCAD
Process Engineering
Time Series Analysis • LEAN • 5S • Six Sigma • Continuous Improvement
Project Management/Workflow
MS Project • Teams • Slack
Workflow Optimization
Automation • VISIO • Kanban • Value Stream Mapping
PERT • SWOT • TOC • IDEF
INDIVIDUAL
Leader • Motivator • Goal Oriented
Adaptable • Cooperator • Initiator

PERSONAL PROJECTS

RURAL SUSTAINABILITY DEVELOPMENT | ENGINEERS WITHOUT BORDERS | Seis De Mayo, Honduras
Development of [economical bio-sand filters](#) for clean water supply with team
Analysis of water quality within the community, and implementation of a local sustainable business model

EXPERIENCE

QUALITY TEST ENGINEER 2 | PROAGRICA (RELX/RBI) | Oklahoma City, US | 2016-2019
- Collaborated with BAs on defining product features and assigning customer priorities
- Led and worked with QA Team on [iOS product](#) from evaluating BA requirements, creating test cases, testing strategies to deployment
- Worked with Devs on identifying UI/code syntax errors and analyzing database runtime issues
- Developed sprint roadmaps in Visual Studio providing valuable productivity metrics for team
- Initiated and built automation for manual customer report testing on [Windows product line](#) by writing unit test scripts (Powershell). Resulted in elimination of manual report generation altogether and significant time savings
- Involved in daily Scrum meetings providing reports on completed work within sprint cycles
- Reduced lead time on testing bugs by creating improved testing templates on existing gray/black-box methods

INDUSTRIAL ENGINEER (Internship) | LEGACY MEASUREMENTS | Texas, US | 2015
- Conducted time studies and collected data for each part of the production process on the factory floor (MOST)
- Identified performance constraints by performing a thorough quality analysis of parts, labor and existing production processes. Overhauled existing workstations and worker methods using data analysis, [LEAN](#) and 5S
- Led weekly meetings with VP of Operations, factory managers and engineers presenting findings and proposing optimal strategies for change. Changes resulted in reduced downtime, higher standards and quicker cycle times

REGIONAL SALES MANAGER | VARSITY INT. | Georgia & Mississippi, US | 2012 – 2014
- Researched prospective markets/clients and closed sales while simultaneously guiding team
- Acquired key leadership skills in sales training courses and various management seminars.
- Worked over 70+ hours per week while managing inventory and generating valuable sales
- Recruited, trained and managed a team who placed Top 5 in the entire company and contributed significant profits. Multiple other personal recognitions for Performer of the week, Work ethic and Time management skills
- Led weekly meetings discussing consumer retention strategies with team, personally addressing+ their issues and motivating them to deliver results

TECHNICAL PROJECTS

MODULE DESIGNER | NASA ADVANCED EXPLORATION SYSTEMS (Deep Space Habitat)
- Under Dr. Joe Cecil, collaborated with NASA Engineers to develop a virtual prototype ([simulation based design](#)) of the internal structure of a 500-day space shuttle exploration
- Worked in a team that developed the fitness compartment and daily well-being schedule of astronauts. Featured in [publication](#)
- Designed 3D models of exercise modules in Solidworks and proposed interactive VR environments using Unity

FACILITY LAYOUT & DESIGN | CAPSTONE PROJECT (Humane Society of Stillwater)
- Investigated client's facility and collected data to establish root causes for poor service to customers
- Provided improved metrics and alternative solutions to reduce increasing monthly operational costs
- Developed an optimized [layout algorithm](#) and designed a new facility blueprint. Proposal presented to clients and city council and approved for implementation