

CURRICULUM VITAE - TRIVIKRAM H. RAO

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PROFESSIONAL SUMMARY

- Process optimization expertise in various environments such as manufacturing, restaurant & healthcare industries
- Strong background in project management, lean six sigma, simulation and operations research techniques
- Experience leading cross-functional teams through strategic projects in a time constrained setting

EDUCATIONAL QUALIFICATIONS AND CERTIFICATIONS

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| ➤ PhD. in Industrial Engineering | Current |
| University of Louisville- Louisville, KY | GPA: 3.70 |
| ➤ M.S. in Industrial Engineering | Dec 08 |
| University of Louisville- Louisville, KY | GPA: 3.66 |
| ➤ B.S. in Mechanical Engineering | Jul 06 |
| Visvesvaraya Technological University- Bangalore, India | GPA: 3.40 |
| ➤ Six Sigma Green Belt Certification | Jul 08 |
| ➤ Caterpillar Production System Green Belt Qualification | Oct 08 |
| ➤ ServSafe Food Protection Manager Certification | Feb 12 |
| ➤ Expertise: Project Management, Labor modeling, Process Optimization, Vendor Management, Supply Chain planning, Lean Manufacturing, Six Sigma, Operations Research, Computer Simulation, GIS | |
| ➤ Computer Skills: MS Project, Arena Simulation, MS Office & Access, Minitab, Lingo, Matlab, VB, ArcGIS, AUTOCAD | |

WORK EXPERIENCE

Yum! Brands, Inc.

Jan 12 to Present

➤ **Project Lead, Operations & Technology – Yum Restaurants (Pizza Hut/KFC), Toronto, ON**

Jan 13 to Present

- Responsible for Engineering & Operations leadership: Drive technology initiatives that elevate business profitability
- Lead new concept launches in the Canadian Market
- Supply Chain Management: Manage Equipment, Smallware & Packaging Vendors to lead innovation opportunities
- Oversee market tests to validate Operations & Supply Chain feasibility, & P&L for new product launches
- Develop asset prototypes & define layout, equipment to optimize resources, flow & functionality
- Manage standards implementation in terms of processes, equipment, IT Systems & BOH design

➤ **Operations Engineer - Pizza Hut Inc., Plano, TX**

Jan 12 to Dec 12

- Develop simulation models to assess operations system impact from product/process changes
- Lead projects to improve restaurant efficiencies via process re-engineering and equipment design/development
- Develop labor standards, productivity solutions and capacity analysis for cooking/holding equipment
- Configure restaurant layouts to ensure optimal workflow, food safety and ergonomic operations
- Optimize ingredient pack sizes, storage requirements and equipment packages

Department of Industrial Engineering, University of Louisville, Louisville, KY

➤ **Graduate Teaching/Research Assistant**

May 07 to Dec 11

- Conduct research in areas like adaptive supply chains, resource allocation & capacity management strategies
- Develop analytical models and algorithms to improve the efficiency of production and supply chain systems
- Tutor students with class work and exams and assist with course preparation

➤ **Organizing Committee Lead- ICOVACS 2009 Conference**

Mar 09 to Oct 09

- Manage a team of graduate students to execute conference planning & coordination assignments
- Develop/edit Conference Guidelines and Proceedings

Caterpillar Inc. (Caterpillar Production Systems), Peoria, IL

➤ **Corporate Intern-Engineering Assembly Test and In Process Validation** **Aug 08 to Dec 08**

- Execute Six Sigma project to develop a cost-value model to optimize facilities' quality investment levels
- Participate in value-stream transformation projects to eliminate wastes in the supply chain
- Analyze and solve Customer Acceptance Validation gaps in production & testing operations

Corporate Intern-Assembly Technology

May 08 to Aug 08

- Develop standardized manufacturing practices for assembly and inspection processes
- Create & audit standard work practices for New Product Introduction associated assembly processes
- Deploy & sustain Visual Management tools (5S, Metric Boards, ANDONs) to ensure Process quality

EnovaPremier LLC, Louisville, KY

➤ **Engineering Intern**

Feb 08 to May 08

- Standardize assembly and logistical operations across the plants to augment product quality
- Plan & execute projects to improve labor productivity and cost effectiveness of the process

Hewlett Packard Inc., Bangalore, India

Jul 06 to Dec 06

Dell International Services, Bangalore, India

Apr 03 to Sep 03

➤ **Sales Engineer**

- Establish Training Programs for Sales Associates to improve efficiency & drive upselling
- Initiate Research Projects to determine how products/services can be designed to suit customers' needs

RESEARCH PROJECTS

➤ **Dynamic Inventory Management for Emergency Response**

(Parent Project: Real-time Decision Support System (RTDSS) for Use in Healthcare and Public Health)

Department of Industrial Engineering, University of Louisville

February 10 to December 14

- Research and develop real-time decision support models to manage & track healthcare resources during emergencies
- Develop demand & supply forecasting models and other dynamic inventory management tools (EOQ Models)

➤ **Quantifying the Costs and Benefits of Product Variety on Key Performance Measures**

Emcien Inc., Atlanta, GA

August 07 to December 08

- Investigate the effects of product complexity on manufacturing operations
- Simulate a real world manufacturing process to quantify these implications through analysis of production metrics

➤ **Cross-docking for a lean supply chain**

GE TMSi, Jeffersonville, Indiana

January 07 to April 07

- Analyze the feasibility of implementing a cross-docking system at the warehouse for high frequency items
- Support creation of a Lean Supply Chain system for the Warehouse

HONORS & ACCOMPLISHMENTS

- Research Assistantship via grant by the National Institute for Hometown Security (NIHS) for 2011-2012
- University of Louisville Doctoral Fellowship Award for 2009-2010 and 2010-2011
- 2010 UofL-LoDI Student of The Year Award for research support in Logistics & Distribution
- ICOVACS Exemplary Service Award in 2009
- Seven quality and leadership certifications at Caterpillar Inc.