

Lisa N.

Untapped Potential Candidate

Farmington, CT

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PROFILE

Accomplished mechanical engineer with proven success in the automotive industry and public education. A strategic thinker and motivated problem solver who delivers results in both individual and leadership roles. Exceptionally well-organized and regarded by peers and managers as the 'go-to' person who gets things done well. Driven to find a better way.

TECHNICAL SKILLS

- Highly proficient in Google and Microsoft Office spreadsheets, documents, presentations and forms
- Knowledge of CAD
- Basic web design
- Social media marketing

BUSINESS SKILLS

- Cross functional team management
- Recruiting and developing talent
- Vision and Strategic Planning for Product Lines
- Educational Enrichment Programming
- Event planning and management

PROFESSIONAL EXPERIENCE

FIRST Robotics/Farmington Continuing Education – NH/CT 2012-Present
FIRST is an international organization that inspires young people to be science and technology leaders by engaging them in cooperative, competitive, mentor-based programs that foster development of STEM skills and important life skills. Founded in 1992, FIRST operates in 24 countries and has over 3,000 student-participants annually.

Director, FIRST LEGO League Junior:

- Coordinate 23 FLL Jr. teams in the Farmington Valley
- Doubled the size of the program from 13 teams in one town to 23 teams in four towns
- Recruit and train coaches and mentors
- Handle all logistics, e.g. registration, supply and facility management
- Execute program publicity and social media marketing
- Plan, execute and host a yearly Regional FIRST Expo with over 600 attendees from 12 towns statewide

Robotics Instructor

- Design and run week long camps for students in grades 1-7 introducing them to robotics and coding.

The Torrington Company - Torrington, CT 1992-2004
The Torrington Company produced bearings and steering components. The company was a subsidiary of Ingersoll Rand before being sold to the [Timken Company](#).

Engineering Group Leader – Product Design:

- Led a team of five engineers in the design and development of needle rollers and planetary shafts
- Liaison to business management, manufacturing, purchasing and engineering management in setting priorities for the product line
- Formulated, tracked and monitored a strategic plan for the development work in the product line
- Collaborated with employees to set development and performance goals
- Conducted performance reviews

Senior Product Engineer – Product Design:

- Designed drawn cup needle bearings for Automotive and OEM customers
- Worked on [Shainin](#) Problem Solving Teams to improve product knowledge, increase manufacturing efficiency, and solve cross-functional problems
- Assisted in new product launches
- Worked with the prototype shop and test lab on the development of two new products/processes in the drawn cup needle bearing product line
- Collaborated with suppliers on new seal designs and manufacturing issues
- Created a seal design request form to use with our suppliers

Project Engineer – Manufacturing:

- Developed and executed cost improvements in automotive steering component and camshaft manufacturing
- Led a cross-functional team to increase the throughput of an automated assembly line
- Participated as the manufacturing representative on two product development teams
- Learned plant profit and loss statements and how daily operations affect them positively and negatively
- Skilled in 8D and other problem solving methods to improve product quality

COMMUNITY EXPERIENCE

FIRST – firstinspires.org 2008 – present

- Mentor and Driver Coach to *FIRST* Robotics Competition Team #178
- Farmington Friends Of Robotics booster club founding member
- *FIRST* LEGO League Qualifying Event Judge
- *FIRST* LEGO League and *FIRST* LEGO League Jr. Coach

West District Elementary and West Woods Elementary – Farmington, CT 2013 - 2016

- Academic Enrichment Coordinator

EDUCATION AND CERTIFICATION

Bachelor of Science in Mechanical Engineering 1992
Worcester Polytechnic Institute, Worcester, MA 1992

AWARDS AND PRESS

- Led 2016 Girls Robotics team to National Championships in California, covered locally by [Fox 61 News](#) and the [Valley Press](#)

HOBBIES AND INTERESTS

- General Tinkering - fixing appliances, building family recreational projects, helping high schoolers build robots.
- Sharing ideas with parents to encourage their children's interest in STEM – Twitter - [@STEMforparents](#)
- Staying active – fitness, biking, kayaking
- Baking