

Sara Zuwiyya

Rochester Institute of Technology

MS Technology Innovation Management & Entrepreneurship, 2022

BS Mechanical Engineering, 2020

Minor in Arabic, Minor in Globalization, 2020

GPA: 3.81

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Skills

APQP & PFMEA
Business Strategy
Data Analysis
Leadership
Project Management
Six Sigma

Software

SolidEdge
SolidWorks
Creo
AutoCAD
Tableau
SQL
MS Office
Minitab
Python
C++

Interests

Sustainability
Entrepreneurship
Swing Dance
Hiking
Gardening
Bob Ross Painting
Dog Training

Experience

Manufacturing Engineer, Bausch & Lomb (2021 - Present)

Provided technical support and troubleshooting for integrated manufacturing systems of contact lenses, including automated production equipment, machine tools, computer systems, and material handling equipment. Identified improvement opportunities and developed innovative solutions to increase process yield and efficiency. Partnered with machine operators to identify and optimize CTQ tasks. Documented best-practice processes for training new hires.

MindsetDesigns, RIT Applied Venture Creation (2022)

Developed a lean startup entrepreneurial venture with an interdisciplinary team for the production of modest eri silk clothing. Completed more than 50 customer discovery interviews to ensure product-market fit, and collaborated with artisans and suppliers in rural India to establish the most efficient manufacturing techniques. Using Agile methodology, continuously revised marketing strategies and conducted extensive market research on existing competitors. Placed 3rd in RIT TigerTank competition for best business pitch.

JR Outside Plant Engineer, Frontier Communications (2020 - 2021)

Managed the field design and layout of aerial, buried, and underground fiber and copper cable network infrastructure including underground conduit systems, telephone pole placement, MH/HH placement, and complex ROW issues. Coordinated communications between telecom carriers, government agencies, utility companies, and building owners. Prepared project timelines, created labor-based budgets allocating material resources, analyzed highway/road prints, and resolved conflicts with outside plant facilities.

Mechanical Engineering Co-Op, Universal Instruments Corp. (2019)

Collaborated with the ME department in sustaining existing product designs and developing a High-Speed Wafer Handler in Creo and Solidworks. Examined technical schematics, developed construction drawings, analyzed data, and designed experiments.

Mechanical Engineering Co-Op, Emerson Automation Solutions (2018)

Cooperated with the R&D department in the design, testing, optimization, and documentation of next generation laser welding products.

Property Management, Henrietta, NY (2018-2021)

Owned and rented out a residential property in Henrietta. Responsible for maintenance, upkeep, and continuous improvements, as well as budgeting and completion of DIY projects including kitchen remodeling and a steam room shower. Negotiated rental contracts with more than 15 tenants.