

# Sara Zuwiyya

## Contact

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## Address

22 Wildherd Dr  
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## Website

sarazuwiyya.com

## Skills

SolidEdge,  
SolidWorks, Creo,  
AutoCAD, MatLab,  
LabView, Minitab,  
C++ , Java

## Interests

Sustainable  
Technology,  
Swing Dance,  
Property  
Management,  
Woodworking,  
Hiking,  
Robotics,  
Gardening,  
Bob Ross Style  
Painting,  
Dog Training

## Education

### Rochester Institute of Technology:

May 2020 Graduation:

*BS in Mechanical Engineering*

*Minor in Arabic, Minor in Globalization*

May 2022 Expected Graduation:

*MS in Technology Innovation Management and Entrepreneurship (TIME)*

## Work Experience

### *JR Outside Plant Engineer, Frontier Communications*

*May 2020 - Present*

Responsible for 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. Coordinate communications between telecom carriers, government agencies, utility companies, and building owners on new building projects and relocations. Required to prepare project timelines, create budgets based on labor and material resources, read and understand highway/road prints, and be able to identify conflicts with existing outside plant facilities.

### *Mechanical Engineering Co-Op, Universal Instruments Corp.*

*January 2019 - July 2019*

Assisted the ME department with sustaining previous feeder designs as well as contributing to the development of a high-speed Wafer handler machine utilizing Creo and Solidworks. Applied ability to read and understand technical schematics, create construction drawings, analyze/interpret data, design experiments, and follow written and oral instructions.

### *Mechanical Engineering Co-Op, Emerson Automation Solutions*

*Jan 2018 - July 2018*

Assisted the RD department with design, optimization, and documentation of their next generation laser welding product. Handled multiple tasks and maintained composure and flexibility in a fast-paced working environment.

## Projects

### *Rwandan Wheelchair*

Childrens wheelchair designed for the hot climate and rough terrain in Rwanda. Final design manufactured by Mechanical Engineering students in Rwanda using locally sourced materials. Required strong written and oral communication skills.

### *Avocado and Coconut Oil Extractor*

Senior Design Team Project: Mechanical oil press designed for women in Haiti to build a soap and cosmetics start-up. Applied analytical reasoning and problem solving to implement effective and cost-efficient solution. Worked under pressure to meet inflexible deadlines while collaborating with the team to prepare documentation.