

Sara Zuwiyya

Contact

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Address

22 Wildherd Dr
Henrietta, NY 14467

sarazuwiyya.com

Skills

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

Interests

Engineers for a
Sustainable World,
Swing Dance,
Engineering House,
Property
Management,
Woodworking,
Hiking, Robotics,
Gardening

Education

BS in Mechanical Engineering

Rochester Institute of Technology
Expected Graduation: May 2020

Work Experience

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.

Mechanical Engineering Co-Op, Emerson Automation Solutions

Jan 2018 - July 2018

Assisted the RD department with design, optimization, and documentation of the next generation of laser banks utilizing SolidEdge.

Commodities Manager, Residence Hall Association at R.I.T.

August 2016 - May 2017

NTID Note-Taker, R.I.T.

August 2015 - Present

Leadership Experience

Public Relations Chairman, Engineering House

FIRST Robotics Participant

Girl Scout Gold Award

Projects

Re-purposed Piano

Personally designed and converted a 1905 Weber piano with a cracked soundboard into a speakeasy style wet bar.

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.

Avocado and Coconut Oil Extractor

Oil press designed for women in Haiti to build a soap and cosmetics start-up.

Rubin's Tube

Propane pipe which demonstrates acoustic standing waves using specific frequencies and flame.

Smart Garden

Designed an automated watering system using solar power and a rain water collection system.