

# Sara K. Riedesel

4400 Vestal Parkway East, BU Box 14044, Binghamton, NY 13902  
sriedes1@binghamton.edu, 612-554-4991

## EDUCATION

**Binghamton University, State University of New York - Watson School of Engineering**

**Expected May 2018**

*Bachelors of Science in Industrial and Systems Engineering*

*Minor in Sustainability Engineering*

3.20/4.00 GPA

## TECHNICAL SKILLS

**Languages:** MATLAB, LabVIEW, Microsoft Office, AutoCAD, ProEngineer (Creo), PLC, Solid Edge, HTML, CSS, JavaScript, Arena, Python, Microsoft Project, Visio, Simio, Minitab

## PROFESSIONAL EXPERIENCE

**Innovative Power Systems, Solar Contractor**

**St. Paul, MN**

*Communications Manager – US REC-X*

**Summer 2015**

- Researched Renewable Energy Credits (RECs) and companies involved with programs offering voluntary sales of RECs
- Created a data base of contacts of potential buyers of RECs and found general population knowledge of RECs
- Constructed a platform for REC trading

**Grand Slam Sports**

**Burnsville, MN**

*Team Member*

**Jan. 2014-Aug. 2016**

- Oversaw front desk and snack bar while supervising patrons
- Implemented organizational skills throughout the building
- Assisted with small technical problems including fixing games, machines, and kitchen equipment when broken

## PROJECT EXPERIENCE

**Society of Women Engineers Sculpture Project**

**Binghamton, NY**

*Team Leader*

**Fall 2015-Present**

- Built sculpture from old engineering parts left over in the Engineering Design Division at Binghamton University
- Incorporated project management skills through managing team, schedule, and communication
- Assembled sculpture

**Mr. Bradley's Harvesting Decision**

**Binghamton, NY**

*Team Leader: Enterprise Systems*

**Aug. 25-Sept. 21, 2016**

- Calculated harvesting times, patterns, and labor to decrease Mr. Bradley's expenses
- Delegated tasks to team members and oversaw project development
- Resolved team disputes and problems

**State Universities of New York: Renewable Energy**

**Binghamton, NY**

*Independent Study: Dr. Michael Elmore*

**Oct. 2015-Feb. 2016**

- Analyzed the renewable energy market within the State Universities of New York as of 2015
- Researched overall atmosphere of energy in New York State
- Coded a website using HTML, CSS, and JavaScript to display each school's involvement with renewable energy, sustainable research, and green energy

## SKILLS & INTERESTS

**Lean Six Sigma Binghamton University**

**January 2017**

*Green Belt Certification*

Continuous Process Improvement, 5S's, Value Stream Mapping, Failure Mode and Effect Analysis, Quality Function Deployment, DMAIC, Control Charts, Pareto Charts, Time and Motion Studies Team Dynamics, and Leadership

**Institute of Industrial and Systems Engineers**

**January 2017-Present**

*General Member*

**Society of Women Engineer Binghamton, NY**

**2014-Present**

*General Member and Team Project Leader*

*Volunteer at local establishments*

*Work with colleges to build a sculpture for the University*

**Foreign Languages** *Spanish*, basic knowledge