**Sara K. Riedesel**

**4400 Vestal Parkway East, BU Box 14044, Binghamton, NY 13902**

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**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