

Sarah "Heidi" Dehnert

sdehnert@villanova.edu

315 Carrolls Grove Road, Troy, NY 12180 ▪ 518-286-0955

EDUCATION

Villanova University, Villanova, PA May 2019
Bachelor of Science in Mechanical Engineering
Minor in Mathematics
GPA: 3.66
Dean's List: Spring 2016, 2017, and 2018

Emma Willard School, Troy, NY May 2015

ENGINEERING PROJECTS

Senior Capstone Project, Villanova University Fall 2018-Spring 2019

- Designed an autonomous detection and securing mechanism for drones used in search and rescue at sea.
- Developed leadership skills working with a diverse team to solve problems related to the engineering design process.

Ross Valve Manufacturing Co. Internship, Troy, NY Summer 2018

- Updated and developed Installation, Operation, and Maintenance manuals for more than fifty valves.
- Worked alongside manufacturing staff to create valve self-repair guides for multiple different valves.

BeetleBot Robot Competition, Villanova University Fall 2016

- Designed and built a robot to compete in a battle against other team's robots and came in 2nd place.
- Developed analytical and problem-solving skills key to engineering.

ACTIVITIES

Villanova University:
Society of Women Engineers
Special Olympics Volunteer
Intramural Sports

Audi Club of North America – High Performance Driving
Adirondack Motor Enthusiast Club – Ice Racing

WORK EXPERIENCE

Old Daley Inn, Troy, NY Summers: 2015-2018
Catering/ Waitressing

Sterup Square, Troy, NY 2013-2015
Waitressing/ Cashier

SKILLS

Familiar with MATLAB, SolidWorks, Arduino, ANSYS, Maple, Microsoft Office Suite