# Nathanael (Nate) Schwindt

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**Objective:** To apply my chemical engineering degree to the workplace and improve my skills in professional communication, problem solving, and leadership and collaboration

**Education:**

**Bachelor of Science, Chemical Engineering and Mathematics, May 2020** **GPA 3.88**
Rose-Hulman Institute of Technology, Terre Haute, IN
Interesting Coursework:
Heat & Mass Transfer, Material Science and Engineering, Fluid Mechanics, Numerical Methods for Chemical Engineers, Chemical Engineering Unit Operations Lab, Boundary Value Problems, Kinetics and Reactor Design

**Skills:**

- Proficient in MatLab mathematical modeling, Aspen Plus simulations, and Excel calculations and presentations
- Experienced in Lean Six Sigma, helping lead a DMAIC process improvement project
- Well-practiced in oral and written communication of data and relevant project results

**Leadership:**

**Rose-Hulman Resident Assistant** 8/18-present
- Maintain responsibility for 27 residents, mentor two underclassmen who want to be Resident Assistants in the future, and collaborate with 28 other Resident Assistants across campus to ensure a positive campus culture
- Enforce discipline and mitigate conflicts among residents
- Provide guidance and assistance in the personal and academic development of residents

**Chem-e-Car Team – Head of Equipment, Director of Design** 8/17-present
- Designed and coordinated a team to build the competition car that placed 2$^{nd}$ at the Regional AIChE Chem-e-Car Competition
- Collaborated with members in charge of the reaction chemistry, car chassis, and total car safety to ensure obedience with all safety guidelines while optimizing the car performance

**Experience:**

**Printpack Inc. Process Engineering Intern** 6/17-8/17
- Worked closely with a supervisor to lead a process improvement project at a packaging plant
- Focused on waste reduction, renewable energy and power usage, and environmental safety projects for polyethylene blown film packaging lines
- Developed a MatLab program that reported the specified scope of the waste reduction project from 3 months of total logged data

**Ames National Laboratory, Science Undergraduate Laboratory Internship** 5/18-8/18
- Performed research under a primary investigator to engineer split ring DNA origami structures as a part of a four-phase, multidisciplinary project to develop an invisibility cloak
- Conveyed 10 weeks of research data and overall project results to laboratory researchers and peers through oral and poster presentations