

# Alexander Hulman

Rose-Hulman Institute of Technology CM 1  
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## OBJECTIVE

Secure a summer internship where I can enhance my skills by working with other forward-thinking engineers

## EDUCATION

**Bachelor of Science Mechanical Engineering** Cumulative GPA: 2.85/4.00 May 2021  
Rose-Hulman Institute of Technology Status: Sophomore

Related Coursework: Graphical Communications, Statics and Mechanics of Materials, Intro to Design, Computer Programming, Calculus, Physics, Electrical Systems, Conservation and Accounting Principles, Differential Equations

## WORK EXPERIENCE

**Subaru of Indiana** Manufacturing Engineering Intern Lafayette, IN May 2018-August 2018

- Designed an ergonomically and logistically improved conveyor system quoted at ~\$60,000
- Created defect reports and implemented a custom jig which prevented a reoccurring defect
- Analyzed AutoCad layouts to calculate efficiency and space usage of the factory
- Supervised and installed an improved sub-assembly station
- Interacted with 3-12 member teams to evaluate solutions for faulty parts

**Atlas Excavating** Carpenter/Pipe-layer West Lafayette, IN May 2015- August 2017

- Created custom shelving units, work benches, and work stations for a more efficient work environment
- Provided hands on installation and oversight for the implementation of storm drains and sewer lines for roads on Purdue University's main campus
- Manipulated a front-end loader to load dump trucks with sand, stone, and concrete

**Homeworx** Contracting Assistant West Lafayette, IN May 2012- Present

- Repaired and replaced roofs of residential properties
- Wired electrical outlets and lights in residential and commercial properties
- Installed custom cabinets, light fixtures, doors, tile and hardwood floors, and much more

## PROJECTS

**Spring Forward** Spring 2018

- Used reverse engineering method to find purpose of bathroom scale components
- Employed stakeholder perspectives, ethics and economic impact

**Link Together** Winter 2017

- Modeled, designed and printed a link connection to support an aircraft landing gear mechanism

## SKILLS

- Proficient in Solid Works, Matlab, and Maple
- Capable of framing, laying tile, wiring outlets and light fixtures, installing trim work, drywall, and roofing
- Confident with power tools including drills, saws, and hydraulic presses

## INVOLVEMENT

- Rose-Hulman Varsity Football Team August 2017-Present
- Phi Gamma Delta Fraternity, Administration and Service Committees October 2017-Present
- Clothe a Child with The Noon Optimist Club of Terre Haute January 2017-Present
- Student Activities Board March 2017-Present
- Tippy Stars (Special Needs Baseball Team) June 2011-Present
- Lafayette YMCA Volunteer June 2015-Present