

Thor Nelson

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SUMMARY OF QUALIFICATIONS

- Motivated and skilled individual with outstanding work ethic and working knowledge of engineering principles, tools, and practices including record management, scanning documents, reading blueprints, etc.
- Classroom experience in mechanical engineering tools and technologies using SolidWorks, MATLAB, and advanced Excel application (DOE analysis, QFDs, statistical analysis, etc.) for ME180 and ME286, and CS122 coursework.
- Multitasker with a strong mechanical aptitude and willingness to learn; able to handle simultaneous tasks with accuracy and efficiency
- Certificate of Arizona Skill Standards Star Tec Pro Center

EDUCATION

- **Bachelor of Science, Mechanical Engineering and Minor in Mathematics**, Northern Arizona University, Flagstaff, Arizona, anticipated graduation May 2020

RELEVANT COURSEWORK

- Capstone (ME476C)
- Machine design 2 (ME465)
- Experimental Thermal Sciences (ME495)
- Manufacturing Processes Lab (ME467L)
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EXPERIENCE

Northern Arizona University, Flagstaff, AZ

August 2016 –Present

- Developed a Rube Goldberg machine for EGR 186 group project
- Designed a hand crank radio to demonstrate Reverse Engineering Design principles for ME286
- Created a spring-loaded launcher for Original Design Challenge for ME286
- Tutoring in mathematics, Calculus and Differential equations
- Designed a microcatheter for EGR386W design course

Gannett Fleming, Intern, Phoenix, Arizona

June 2015 – August 2015

- Worked with documentation, scanning, and sorting blueprints for Civil Engineering firm.
- Shadowed engineers to understand daily processes, including field and desk work required for various project needs.

Paradise Valley High School, Student, Phoenix, AZ

August 2014 –December 2014

- Developed a solar powered dehydrator

HONORS AND ACHIEVEMENTS

- Recognition of Hard Work, Creativity, Diligence, and Dedication to the Study of Engineering 2016
- Trojan Character Award PV JV Football 2014
- Coach’s Award PV Track & Field 2012
- Outstanding Sportsmanship Award PV Wrestling 2015-2016
- Academic Excellence Award 4 yrs
- Scholar Athlete Award 4 yrs
- Lettered in Wrestling/Football 3 bars and Lamp for Academics
- A member of the National Society of Leadership and Success