

**Joshua Glenn**  
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### **SUMMARY OF QUALIFICATIONS**

- Highly motivated and skilled individual with outstanding work ethic and knowledge of engineering principles, tools, and practices. Able to complete multiple high level assignments simultaneously.
- Solid command of mechanical engineering software and technologies using Solidworks, MATLAB, Interactive Thermodynamics, EnergyPlus, NREL System Advisor Model 2017, and the Microsoft Office Suite

### **EDUCATION**

- Bachelor of Science in Mechanical Engineering, Minor in Mathematics, Northern Arizona University, Flagstaff, Arizona, anticipated graduation May 2019, Current GPA 3.43
- Graduated from Mountain Ridge High School, Glendale, Arizona, May 2015

### **RELEVANT COURSEWORK**

- Fluid Mechanics I and II
- Renewable Energy
- Compressible Flow

### **EMPLOYMENT**

Northern Arizona University T.A. and Grader, Flagstaff, Arizona August 2018 - Present

- T.A. for ME 286 (Engineering Design Process) in Fall of 2018 for Dr. Jennifer Wade.
  - Maintain and inventory equipment and assist and support sophomore level engineering design.
- Grader for ME 291 (Thermodynamics I) in Fall of 2018 for Dr. Jennifer Wade

Sylvan Learning Center, Instructor, Glendale, Arizona June 2017 - August 2017, May 2018 - August 2018

- Monitored, assessed, and remediated student performance in math and science ensuring student success and provided instruction in and verified high level mathematics through one-on-one lessons and verification through proof

Glendale Taekwondo Academy, Instructor, Glendale, Arizona August 2014 – Present

- Certified to develop/teach beginning, intermediate, advanced level classes in Taekwondo. Instructed students and provided an example of the 10 tenets which include honor, courtesy, integrity, perseverance, self-control, courage, community, strength, and honor

### **PROJECTS**

Fall 2018 - Spring 2019 ME Capstone Kinetic Sculpture (NAU Team Kinetic A) Fall 2018 - Spring 2019

- This project allows the group to create a kinetic sculpture that shows at least three mechanical engineering concepts to excite students, staff, and public about engineering.
- Website: [https://www.cefns.nau.edu/capstone/projects/ME/2018/18F2\\_KineticA/](https://www.cefns.nau.edu/capstone/projects/ME/2018/18F2_KineticA/)

Energy Audit of Adel Mathematics (NAU) Spring 2018

- Analyzed the energy consumption of Adel Mathematics. Identified building retrofits such as implementing LED lights and re-insulating the building to reduce energy use and save money.

### **HONORS AND ACHIEVEMENTS**

- Dean's List, Northern Arizona University College of Engineering, Informatics, and Applied Sciences: Spring 2017, Fall 2017
- Tau Beta Pi Member (Since 2018)
- American Society of Mechanical Engineers (ASME), Member, January 2016