Contact Information

Cell: **(480) 349-0915**

Email:
Jacob_Johnson@nau.edu

Mailing Address:
215 W Cherry Ave Apt 8
Flagstaff, AZ 86001

Education

Mechanical Engineering BSE
Graduation Date:
December 2019
Current GPA: **3.91**
Northern Arizona University

Extracurricular Activities

- Member of the LDSSA
- Church youth group leader
  - Plan and hold weekly activities for youth ages 14-16

Awards

- Dean's List (Spring 2016-Present)
- Academic Achievement Award for being in the top 20% at NAU (2017 - 2019)

Jacob M. Johnson

———— Summary of Qualification ————

- Highly proficient in Microsoft Excel, Word, Power point and Outlook
- Highly proficient in MAT Lab, SQL, and Power Shell coding languages
- Experience in engineering settings
- Experienced with SolidWorks
- Recognized for skill in engineering, programming, and analysis
- Excellent communication and interpersonal skills
- Aptitude for working in team settings

———— Professional Experience ————

Engineering Intern   **May 2016-Oct. 2017**
FNF Construction Inc. — Tempe, AZ

Key Accomplishments:
- Produced daily cost analysis to determine profit margins
- Supervised hourly personal while cultivating an atmosphere of safety and efficiency
- Used engineering analysis and Microsoft Excel to produce quality estimates for the bidding of upcoming projects

Teacher's Assistant for Fluid Mechanics   **August 2018-Present**
Northern Arizona University — Flagstaff, AZ

Key Accomplishments:
- Maintain and deepen an understanding of fluid mechanics
- Grading homework daily, while also explaining briefly the correct response

Consultant   **Sept. 2017-Present**
Solution in Mind —Springerville, AZ

Key Accomplishments:
- Trained in SQL and Power Shell for computer programming
- Utilizing SSRS to develop report templates for customers
- Completed projects despite setbacks

———— Key Courses ————

ME 476: Mechanical Engineering Design I
- Research, design and find funding for a "low-speed" wind tunnel
- Convert needs from three clients into engineering requirements

ME 497: Independent Study: modern tools for wind powerplant development
- Designed and performed lifetime cost analysis on a theoretical wind power plant
- Developed MAT Lab code to analyze raw data and perform financial calculations
- Utilized Wind Farmer to optimize a hypothetical wind power plant, and determine its impacts