

# Susan Smith

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## Professional Summary

Detail-oriented third-year engineering student with a firm understanding of engineering principles and practices. Proven strong technical and computer abilities using variety of software and equipment. Led & supported multiple teams and ensure projects are completed efficiently.

## Education

Wayne State University – College of Engineering, Detroit, MI  
Bachelor of Science in Mechanical Engineering

Expected Graduation May 2020  
GPA: 3.2

Oakland Community College – Royal Oak, MI  
Associate of Science in Pre-Engineering

Graduated May 2016  
GPA: 3.67

## Relevant Coursework

Calculus III • Materials Science • & Engineering Applications/Lab Quality Control • Lean Operations  
• Physics I & II • Data Structures • Programming Languages • Computer Architecture Engineering • Data Analysis • Work Design

## Technical & Computer Skills

**Equipment:** Audiometers, optical benches, calibrators, recording microphones

**Software:** AutoCAD, CATIA V5, ANSYS, C/C++, Matlab, LABVIEW, Pascal. Drupal Markdown

**Databases:** SQL, MS Access, Oracle 8

**Applications:** Microsoft Word, Excel, PowerPoint, Project

**Operating Systems:** Windows, Mac OS, UNIX, Linux

## Engineering Projects

**Manufacturing Processes Project,** Wayne State University

Completed Fall 2018

- Led a team of 3 in the redesign of a manufacturing process using research standards for JTILA documentation, site interviews and needs assessment of plant manager.
- Computed data using Bowles Law & Gamlin Principle resulting in 18% reduction in processing time.
- Documented multi-media report in Excel & Word and presented findings using Prezi.

**AutoCAD Project,** Wayne State University

Completed Winter 2018

- Reverse engineered a household appliance with a team of 4 peers.
- Organized a team, conducted market research, designed graphic in AutoCAD, and manufactured prototyped appliance.
- Drafted and presented a report using Excel, Word, and PowerPoint comparing competitors' products with appliances functions and documented patents used in design.

## Honors and Activities

Member, Associations for Computing Machinery, WSU

Aug 2017 – Present

Member, Golden Key National Honor Society, WSU

Aug 2017 – Present

Dean's List, Wayne State University

Winter & Fall 2018

## Work Experience

### **Student Assistant**

Wayne State University Registrar's Office

Dec 2017 - Present

- Assist with setup of computer systems and software upgrades such as OS and MS applications.
- Troubleshoot common problems with computer systems, interface with software vendors to resolve issues, and formulate solutions.
- Modify and update department website as needed using Drupal Markdown.