

REBECCA J. SMITH

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EDUCATION

University of Illinois at Urbana-Champaign
Bachelor of Science in Mechanical Engineering

Expected May 20XX
GPA: 3.25/4.00

Related Coursework:

Computer Aided Design

Heat Transfer

Thermodynamics

Signal Processing

TECHNICAL SKILLS

CAD: Inventor, Autodesk, AutoCAD, Fusion360, ANSYS, Fortran, Solidworks, Creo

Programming Languages: Java, MATLAB

Tools: MIG Welding, Soldering, 3D Printing, Power Tools

Spoken Languages: Spanish and English

WORK EXPERIENCE

HVAC For You

Intern

Champaign, IL
May 20XX – August 20XX

- Manufactured air terminal units for 700 supply and exhaust registers using AutoCAD
- Attained load calculations and analysis of HVAC systems for 142,000 square foot office building using Excel
- Troubleshoot failures in complex mechanical systems and identified corrective actions
- Communicated with sales engineers and product specialists to develop CAD drawings for bidding and construction
- Prepared reports for clients concluding team's analysis and presented findings

PROJECT EXPERIENCE

AIAA Design Build Fly

August 20XX – December 20XX

- Oversaw design of aircraft fuselage
- Drafted engineering drawings in SiemensNX
- Built efficient sturdy mission specific mechanisms

Mechanical Design Project

January 20XX – May 20XX

- Developed a mechanical sculpture with a timing mechanism using Creo Parametric
- Identified numerical and conceptual position, velocity, acceleration, and dynamic force analysis using MATLAB
- Delegated roles and responsibilities to a team of ten members
- Facilitated weekly team progress reports

EXTRACURRICULAR ACTIVITIES & LEADERSHIP EXPERIENCE

Society of Women Engineers

Vice President

Champaign, IL
August 20XX – Present

- Collaborate with executive board to establish the group's mission and goal for the school year
- Design project management system to track progress on major group activities
- Facilitate weekly executive board meeting