

Jane Doe

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Downstate, MI

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College Avenue
Houghton, MI 49931

OBJECTIVE - To obtain an internship or Co-op position within the field of Chemical Engineering.

EDUCATION

Michigan Technological University-Senior
B.S. in Chemical Engineering
GPA: 3.37

Houghton, MI
Expected 2016

ENGINEERING PROJECT EXPERIENCE

AFI RAK Charcoal Kiln Team – Consumer Product Manufacturing Enterprise (CPME)

Houghton, MI

Objective- To design and produce a prototype for a charcoal kiln to be used in a manufacturing line for mass production and distribution in **Benin, Africa**.

Jan 2014 - Present

- Remotely identified regional materials to construct the kiln and reusable biomass for charcoal production.
- Simulated production times based upon thermal properties of biomass options to inform design.
- Calculated necessary cool down times between batches using thermodynamic equations to inform design.
- Designed multiple kiln possibilities using Unigraphics NX 3D modeling software.
- Created crowdfunding campaign and drafted promotional literature to progress project.

Kimberly Clark Material Folding Board Team – Consumer Products Enterprise Program, Michigan Tech

Objective- To reduce heat buildup in a material folding process on a manufacturing line through cooling, low friction coatings, and material inserts.

- Evaluated materials that have high hardness, smoothness and heat capacity.
- Contacted specialty part manufacturers to procure samples for testing in real time.
- Tested each material using friction testing mechanism.
- Collected and analyzed data from multiple trials of friction testing to determine optimum material.
- Modeled possible material inserts using Unigraphics NX 3D Modeling software.
- Presented a final report and offered recommendations based upon previous work.

LEADERSHIP AND AWARDS

- Consumer Product Manufacturing Enterprise (**CPME**) - 4 Semesters
 - **Vice President**, CPME, MTU, 2015-2016
 - **Secretary**, CPME, MTU, 2014-2015
- Society of Women Engineers (**SWE**) Member
 - **Treasurer**, MTU Chapter of SWE, 2014-2016
 - **Historian**, MTU Chapter of SWE, 2013-2014
 - **Outstanding First Year Student Scholarship**, MTU Chapter of SWE, 2012 - 2013

COMPUTER SKILLS

- | | | |
|---------------|--------------------------|----------------------------|
| ▪ C++ | ▪ Siemens Unigraphics NX | ▪ Microsoft Office Suite |
| ▪ MATLAB | ▪ Unisim Design R410 | ▪ Microsoft Visio |
| ▪ Mathematica | ▪ Comsol Multiphysics | ▪ Polymath Equation Solver |

WORK EXPERIENCE

- Intern, MTU Career Services Aug 2015 – Present
- Student Staff Assistant, MTU Career Services May - Aug 2015
- Seasonal Caretaker for Plymouth Township Recreational Parks May 2013 - Sept 2014

VOLUNTEER WORK

- Girls & Engineering Exploration Day Program Feb 2015
- Secretary at Salvation Army June - Aug 2012