

Buddy Lisk

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EDUCATION

Bachelor of Science in Mechanical Engineering

Expected Graduation: Spring 2016

Kansas State University Accumulative GPA: 2.97/4.0

Manhattan, Kansas

- Buick Achievers \$25,000 Scholarship, renewable each year
- Member of SAE International August 2013 - Present
- Member of Kansas State University's Baja SAE Team August 2013 - Present
- Member of Phi Theta Kappa Honor Society August 2012 - Present

RELEVANT EXPERIENCE

Hostess Brands LLC.

May 2015-August 2015

Engineering Intern

Emporia, Kansas

- Designed multiple parts to help speed up production
- Worked with high voltage panels to fix electric problems occurring
- Learned how to code in RSLogix5000 and Factory Talk
- Implemented multiple changes to 2 large Autobake ovens through RSLogix5000
- Analyzed the flow of certain fluids through pipes to make sure the substance moves through them effectively.
- Familiarized myself with shop tools including mills, lathes, and drill presses

SKILLS

SolidWorks, Python, Matlab, C++ Programming, VBA, RSLogix5000, Factory Talk, experience with shop tools, Microsoft Office Programs.

ACADEMIC EXPERIENCE

College Academic Tutor

August 2012-May 2013

Highland Community College

Highland, Kansas

- Tutored 20 or more students a day
- Tutored multiple subjects including mathematics, physical science, and chemistry

PROJECTS

Lifting Apparatus Design for Additive Manufacturing

- Currently leading a team of 6 in developing a manually controlled lifting apparatus for the plates that hold the fine metal particles inside a 3D printer for Honeywell.
- Constructed the base of the design by using SolidWorks and ran a stress simulation on the model.

Drill Gun Powered Bicycle

- Led a team of 5 to create a bicycle that was powered only by a drill gun
- Succeeded in creating a bike that produced enough torque to move over 100 pounds

Used Coding to find the trajectory of Nun Chucks

- Developed a series of code in C++ by using the Runge-Kutta Method to find the trajectory of Nun Chucks.