

Siyang (Stephen) Liu

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Objective

To obtain an internship or co-op position in large scale company that focus on energy efficiency and sustainability where I can develop my leadership, teamwork and problem solving skills

Education

The Pennsylvania State University

University Park, PA

B.S. in Chemical Engineering

May 2017

GPA: 3.67; Dean's List 2/2 semesters

Broughton Trustee Scholarship in Engineering 2/2 semesters

Relevant Courses

Phase and Chemical Equilibria, Process Fluid Mechanics, Thermodynamics, Organic Chemistry

Experience

Engineering Design In-Class Project

Nov. 2013 – Dec. 2013

Sponsored by Alcoa Inc.

- Led 4 member team to improve the efficiency of energy using as well as increase sustainability of the product of product system
- Designed diagram flow chart to describe process outline and generated a Gantt chart as a schedule as well as a task list
- Assigned total 69 tasks to appropriate members based on their advantages
- Determined the final direction (student life system) that the research should focus on
- Decided to use recycled aluminum alloy 6063 instead PVC to produce ID card after gathered and analyzed company and user (student) needs
- Reduced 1164.4kg plastic waste while saved 7.66×10^6 kJ energy around all PSU campuses in final design. Energy can be saved up to 34.0% in ID card production

Sarku Japan

Overland Park, KS

Cashier

May 2013 – July 2013

- Supervised front-line operations and reported problems and issues directly to manager
- Improved the efficiency of taking orders, which resulted in a saving of 10 seconds from each customer
- Communicated effectively with kitchen staff regarding customer allergies, dietary needs and other special requests

Kohl's Corporation

Overland Park, KS

Stocker

Nov. 2012 – Jan. 2013

- Checked regularly on customers to ensure satisfaction with shopping experience
- Participated voluntarily in overnight working during Christmas holiday

Activity

Membership, American Institute of Chemical Engineers (AIChE)

June 2014 – present

Skill

Basic knowledge of Microsoft Access, SolidWorks and HTML

Proficient in Mandarin