

KELLY LI TSUI

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OBJECTIVE

To obtain a position as a mechanical engineer where my knowledge, skills, and education will be applied.

EDUCATION

B.E, Mechanical Engineering, City University of New York, City College: June 2009

GPA: 3.0

RELEVANT COURSES

HVAC, Thermal Systems Analysis and Design, Heat Transfer, Energy Conversion, CAD, Manufacturing Processes, Fluid Mechanics, Vibrations, Micro and Nano Technology, Mechanical Systems Design, Engineering Materials

QUALIFICATIONS

Technical Skills: SolidWorks, COSMOSWorks, MS Word, Excel, PowerPoint, Project, Mastercam, COMSOL, MATLAB, Pro Engineer, HvacLoadExplorer, eQUEST

Relevant Skills: Strong problem solving, training, customer service, and leadership skills.

Key Qualities: Detail oriented, team player, patient, analytical.

PROJECTS

ASHRAE 2009 Student Design Competition: Currently working with seven fellow members of ASHRAE and a professor to design an HVAC system for a three-story building. (Spring 2009)

Composite Laminate Plates Peel Device: Team leader of a group of six students. Developed concepts for the design a device that splits laminate plates for ALCOA. Manufactured and tested a prototype of the final concept. (Fall 2008 & Spring 2009)

HVAC Project: Worked with a fellow student to determine the cooling and heating loads and the air flow of a restaurant using HvacLoadExplorer. Designed an HVAC system to fit the loads. Designed a duct system using the exposed round system method.

EXPERIENCE

Teacher Assistant, City College, CUNY, New York, N.Y.

11/08 – 05/09

Teach fellow students about microfluidic channels, probe station, and gold sputtering system in lab.

Cashier and Hostess, Flor De Mayo Restaurant, New York, N.Y.

07/04 – 06/07

Provided customer service, both in store and over the phone. Managed customer intake including reservations and seating arrangements. Operated cash register with proficiency including account settlement.

AFFILIATIONS

Secretary, American Society of Heating, Refrigerating and Air-Conditioning Engineers Chapter
Volunteer, Honors Students Activities Center

LANGUAGES

Multilingual Spanish and Cantonese