

Alexander Hsu

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HOME ADDRESS

1345 Megan Drive
State College, PA 16803

SCHOOL ADDRESS

336 Atherton Hall
University Park, PA 16802

OBJECTIVE

To obtain a summer 2014 internship in relation to the field of engineering (chemical)

EDUCATION

Pennsylvania State University, University Park, PA, Class of 2017

Major: Engineering with intent to study chemical engineering

Courses: CH E 100s, MATH 230, MATH 251, PHYS 211R, PHYS 211L, ENGL 030, CHEM 210, EDSGN 100, ECON 104, PSYCH 100

GPA: N/A

State College Area High School, June 2013

Class Rank: 22 of 584, February 2013

GPA: 4.77 (weighted on scale of 5) 3.98 (unweighted)

EXPERIENCE

Polymics, Ltd, June - July 2013

Lab assistant internship

- Ran small scale Randcastle extrusion
- Ran PEEK CAM tubes
- Performed tensile, flex, and impact testing
- Performed density, hardness, ash, color, TGA, DMA, DSC, acid digestion, moisture and particle size testing
- Cleaned and maintained extrusion screws
- Shadowed injection molding for tensile, flex, and impact bars

- Organized and normalized DMA data

Polymics, Ltd, June - August 2012

Lab assistant/Prototype design internship

- Planned and assisted in prototype design for oil spill containment mat
- Drew, developed, and modified current prototype design
- Created three prototype designs for spill containment mat
- Visited oil rig and environmental service clean up office

ACTIVITIES

IM Soccer, September 2013

IM Basketball, January 2014

Independent backpacking through Europe, July - August 2013

- Utilized internship to help pay for month long trip
- Limited budget for all travel, living, and food expenses for 6 countries

High school junior varsity and varsity soccer, Fall 2009 - 2013

- All league second-team Mid-Penn Conference 2012
- PA state semifinal qualifier 2011

High school Varsity track, Spring 2013

- PA District 6 Class AAA - 3rd place 400m dash, 4th place high-jump, 8th place 200m dash

SKILLS

Limited to moderate knowledge of AutoCAD and SolidWorks

Moderate knowledge of Spanish and Chinese (mandarin).

