

JERRY SIU

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EDUCATION

University of California, Irvine

B.S. in Chemical Engineering

Minor in Materials Science Engineering

GPA: 3.40

Expected June 2016

- Relevant Coursework: Thermodynamics, Reaction Kinetics, Heat/Mass Transfer, Separation Processes, Fluid Mechanics, Nanomaterials, Process Systems Control, Mechanical Behavior and Design Principles

PROFESSIONAL EXPERIENCE

Fundament & Associates, Inc.

November 2015 – Present

Design Engineering Intern

- Performed complex HVAC designs for universities, research, and healthcare facilities.
- Produced project plans, feasibility studies, utilities infrastructure upgrades, and improvement reports.
- Extensively used computer-aided design tools and Building Information Modeling (BIM) software.

Mass Transit Railway (MTR) Corporation, Hong Kong

July 2015 – September 2015

Engineering Intern

- Worked on multi-billion dollar “Express Rail Link (XRL)” project connecting Hong Kong to Mainland China.
- Assisted team in design and development of West Kowloon Terminus, the only XRL station in Hong Kong.
- Performed calculations and reviewed contractor designs in reference to MTR particular specifications.
- Met weekly with project team and every other week with contractors to discuss progress and revisions.

Ardo Research Group

January 2015 – Present

Undergraduate Research Assistant

- Assisted Dr. Shane Ardo, Ph.D., in the overarching goal of maximizing energy-conversion efficiency.
- Worked with novel solar seawater desalination device architectures and chemistries.
- Performed device physics numerical modeling and simulations of novel solar fuels device architectures.
- Met weekly with professor and research team to discuss progress and goals of various projects.

UC Irvine, Ayala Science Library / Multimedia Resource Center

May 2013 – Present

Access Services Student Assistant

- Worked closely with supervisors to provide patrons with customer service and assistance.
- Performed troubleshooting procedures and repaired technical malfunctions of equipment.
- Recorded daily reference statistics on library database.
- Worked with team to reorganize entire repository of documents.

SKILLS

Language: Fluent in Chinese (Mandarin and Cantonese)

Computer: Trained in C language, COMSOL modeling, PRO/II, MATLAB/Simulink, AutoCAD, Revit

Laboratory: Proficient in chemistry laboratory work and experimentation

EXTRACURRICULARS

The Edge Christian Ministry – *Small Group Leader*

Sigma Alpha Epsilon National Fraternity (ΣAE) – *Member*

American Institute of Chemical Engineers (AIChE) – *Member*