**Andrew Yueh**

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**PROJECTS**

**SKILLS  
R Microsoft Excel SQL**

**EDUCATION**

***MS Chemical Engineering*** (September 2013- December 2015)

Texas A&M University

**Noteworthy Coursework**

Statistics, Advanced Process Integration, Quantitative Risk Analysis

***BS Chemistry, Minor Biology*** (September 2008-August 2012)

University of California, Santa Cruz

##### EXPERIENCE

**Graduate Researcher: Statistical Analysis of Petrochemical Technologies** Texas A&M University (August 2014—December 2015)

* Implemented global optimization and data mining techniques using R.
* Utilized multiple predictive algorithms: artificial neural networks, SVM, and Kriging interpolation.
  + Coded automated scripts to perform large scale computation (Monte Carlo optimization).
  + Optimized production costs of theoretical marketable fuel; 8.2% decrease.

**Graduate Teaching Assistantships** Texas A&M University (May 2014—December 2015)

* Collaborated with 5 faculty members over the course of 6 semesters.
* Planned, designed and presented supplementary lectures (two hour sessions) twice a week.
* Proctored student labs to resolve issues with the lab material.

**Private Tutor: Math and Chemistry** (August 2012—Present)

* Improved score consistently. Success rates: 93% of students experienced grade improvement.
* Managed multiple and dynamic weekly schedules of regular clientele.