

# Andrew Yueh

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(408)-402-2856



## SKILLS

React.js  
Redux  
ES6 & ES7  
JavaScript  
Ruby on Rails  
Ruby  
HTML/CSS  
SQL  
R  
Rspec  
jQuery  
Git  
AutoHotKey

## SOFTWARE PROJECTS

### **InterestMe** | Full Stack Web App **Live | Git**

- Implemented a web app with a Rails backend and React/CSS frontend.
- Securely encrypted passwords with front and backend validation for accounts.

### **Fireworks** | Javascript-only Web App **Live | Git**

- Well optimized. Easily handles +1000 particles on the screen.
- Implemented in ES6 syntax and with modular code.

### **Search and Sort** | React.js Web App **Live | Git**

- Visually explains recursive sorting and searching algorithms.
- Collaborated with 2 other programmers and utilized git for version control.

## EXPERIENCE

### **Graduate Researcher: Statistical Analysis of Petrochemical Technologies**

Texas A&M University (Aug 2014 – Dec 2015)

- Pioneered data mining techniques in research group. A fundamental switch from normal polynomial regression.
- Elucidated an 8.2% decrease in theoretical production costs of jet fuel.

### **Graduate Teaching Assistantships**

Texas A&M University (May 2014 – Dec 2015)

- Planned, designed, and presented supplementary lectures (two hour sessions) twice a week.
- Proctored student labs and worked with them to resolve issues with lab materials.

## EDUCATION

### **MS Chemical Engineering**

Texas A&M University (Sept 2013 – Dec 2015)

### **BS Chemistry**

University of California, Santa Cruz (Sept 2008 – Aug 2012)