

# Bou-Yu Chen

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<https://bouyuc.com/> | <https://github.com/bouyuc> | <https://www.linkedin.com/in/bouyuc>

## EDUCATION

**MS, Software Engineering;** GPA: 3.10 Anticipated: December 2018

San Jose State University, San Jose, CA

**BS, Energy Engineering;** Dec 2014

The Pennsylvania State University, University Park, PA

## SKILLS

Windows, Linux (Ubuntu & Arch), C++, Python, AWS, IBM Watson, gRPC, distributed system

## ACADMIC PROJECT

**Solar System Exploration** ([www.solar-exploration.com](http://www.solar-exploration.com)) *San Jose State University, Fall 2017*

- Prototyped and created 3d models for the web app using three.js
- Extracted, transformed and loaded energy data for the data visualization project

**Lullabyte** *San Jose State University, Spring 2017*

- Developed an Android application to improve time between parents and their children
- Engineered the application to control Philips Hue lightbulbs

## PERSONAL PROJECTS

**Smart Home?** ([www.bouyuc.com/projects/](http://www.bouyuc.com/projects/)) San Jose, CA

- Made remote controllable curtains using a raspberry pi, 3d printed parts, servo motor, and RESTful API built with python flask
- Engineered a remote controllable garage door using ESP8266 and NodeMCU

**Ai Dai Wan** *Taipei, Taiwan, Jun.2015-Jul.2015*

- Collaborated with a team of artists, designers and engineers to create a demo that promotes LittleBits, a product that teaches children circuitry
- Team won the first place in the first annual Bit Olympics

## EXPERIENCE

**Volunteer** *San Jose Public Library, San Jose, CA, Apr.2017 - Now*

- Teach teenagers 3D printing, CAD design, and 3D printer operations
- Promote maker culture and encourage teenagers to use the maker space

**Energy Consultant Intern** *Pennsylvania Technical Assistance Program, University Park, PA, Jun.2014-Dec.2014*

- Written energy analysis reports for customers
- Assisted in the development of a lighting system savings calculator
- Analyzed the energy consumption of a borough that was consuming 150 MWh annually and proposed sustainable energy options to reduce energy costs