

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: 3.17 Anticipated: May 2019

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) *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/) 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