

# Qi (Walden) Lian

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## Education

### Shanghai Jiao Tong University

Sep 2014 ~ Aug 2018 (expected)

Dept: UM-SJTU Joint Institute

Major: Electrical and Computer Engineering

Related Courses: Principle of Database (CS022), Intro to Logic Design (VE270),  
Programming & Elem. Data Structures (VE280), Data Mining (VE484)

## Research & Projects

### TA (Teaching Assistant) Evaluation System Development

2016 Spring

- Designed the UI for the website of TA Evaluation System with HTML and CSS
- Implemented the interaction events with Javascript and jQuery

### 2016 Mathematic Contest for Modeling — Space Debris

2016 Spring

- Designed two models based on water jet and net to eliminate space debris
- Designed an evaluation model for debris elimination models based on Analytical Hierarchy Process
- Implemented the model simulation with MATLAB

### Engineering Course Project — Polynomial Actuation

2014 Fall

- Designed the physical structure of the polynomial actuation device in mould production

## Leadership & Social Experiences

### Research Assistant in Brain-like Computing and Machine Intelligence Lab at SJTU

2016.4 ~ present

- Assist in conducting the experiments to collect different people's EEG and EOG signals
- Conduct stability analysis to ensure the accuracy in emotion recognition
- Implement the Machine Learning algorithms and data analysis with Python

### Volunteer teacher in Eryuan County, Yunnan Province

2015.12 ~ 2016.1

- Taught Maths to Grade 2 and Grade 6 students at Yong An Elementary School for a month.

### Vice Minister of News Department in JI Student Union

2015.8 ~ 2016.6

- Made two college journals and one freshmen orientation handbook for UM-SJTU Joint Institute.
- Wrote 15 institute news for UM-SJTU Joint Institute.
- Held lectures to teach peers how to use Adobe Indesign to edit journals.

### Minister of Practice Department in JI Youth League Committee

2015.7 ~ 2016.6

- Organized the summer and winter social practice events for 250 freshmen and sophomore students in UM-SJTU Joint Institute at Shanghai Jiao Tong University.

## Skills

**Programming Languages:** C, C++, MATLAB, HTML5, CSS3, Javascript, jQuery, Verilog HDL, PHP, CodeIgniter, SQL, Python  
**Softwares:** Linux (Ubuntu), Windows, Microsoft Office, Adobe Photoshop/Indesign/Premiere, Git, Github, Vim, Sublime Text

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## Research Interests

Machine Learning, Data Mining, Web Development (Both Front-end and Back-end)

## Awards

2016 Mathematic Contest for Modeling Honorable Mention

2016.4

Merit student of Shanghai Jiao Tong University

2015.10

Advanced individual in SJTU Social Practice in 2015 Summer

2015.10

Excellent League Member of Shanghai Jiao Tong University

2015.5