

# Yishun Guan

A young and curious developer.

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github.com/shunge

## EDUCATION

**B.S. Computer Science**

**B.A. Linguistics**

University of California, San Diego

Overall GPA 3.5

## EXPERIENCE

### Perspectium — Software Engineering Intern

JUN 2016 - Present

- Be part of a software development team and contribute during software development cycles.
- Help improve several software products including the Perspectium Observer which is based on Apache Tomcat and Java servlet. Collaborate on a new development tool called the Route Editor.
- Also participate in other tasks like, Quality Assurance, UI improvements, wiki documentations and mentoring as required.

### Department of Political Science, UC San Diego — Research Assistant

OCT 2015 - Present

- Collect and analyze posts and comments online for quantitative political science analysis, using web scraping techniques.
- Preprocess and label training data.

## PROJECTS

### 2Choose1 - Android app Jan 2016

An app that recommends restaurants based on the user's location and preference. Implemented with Google Places API, and it saves the user's choices for analysis purpose using machine learning. Route Editor

### Machine Translation July 2016

A research project that combines both statistical NLP models with more advanced machine learning techniques, like the convolutional neural network(CNN), to improve accuracy.

## SKILLS

- Implement and analyze different **data structures** and **algorithms**.
- Experiences in **Java** and **Python**. Familiarity with **C/C++**.
- Understandings of different **Software engineering processes**.
- **Unit testing** and **debugging** techniques. Familiar with **UNIX** environment.
- Basic skills with **front-end** website development in **HTML**, **CSS** and **Javascript**.
- Knowledge with **SQL database** management.
- **Machine learning** in a statistical approach. Knowledge in Natural Language processing(NLP).

## ACTIVITIES

### Founder, President

2014 - 2015

The founder of the Sanguosha Boardgame Club at UC San Diego.

### SD Hacks

2015

Participant, as an Android developer. Develop the BZZ game with other team mates. Mainly focus on Wifi connection problem.