

# Ziqi(Charles) Gan

## Interests

Software Engineering  
Data Analyst  
Front-end Engineering

## Contact

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## Languages

Chinese(Native)  
English(Proficient)

## Website

www.ziqigan.com

## Education

Undergraduate  
University of California,  
San Diego  
Math-Computer Science  
2014.9–2018.6  
GPA:3.55/4  
Provost Honors

## Coursework

Advanced Data Structure  
Neural Networks  
Intro/Computer Architecture  
Software Engineering  
Computer Organization/  
System Programming  
Digital Systems Laboratory  
Decisions Under Uncertainty  
Econometrics  
Microeconomics  
Introduction to Statistics  
Combinatorics  
Mathematical Reasoning

## Life Philosophy

"Focus on making  
yourself better, not on  
thinking that you are  
better."

## Programming Skills

Proficient: C/C++ Java SPARC Assembly Android Studio Git JIRA Agile  
Learning: IOS Development Unity3D HTML/CSS/Javascript Node.js Python

## Other Skills

**Design:** Adobe Lightroom  $\LaTeX$

**Photography Team Management**

## Experience

2016.3–2016.6 **IEEE UC SAN DIEGO**

San Diego,United States

*Quarterly Project Team Member*

Participated in IEEE UC San Diego Quarterly Project and created a robot that can dance with the music beats. (Based on Arduino platform.)

- Arduino Programming (Based on C++)
- Circuits Construction

2015.9–2016.1 **PINV INTERNATIONAL INC.**

San Diego, United States

*Co-Founder*

I participated in the initial development phase of an E-Commercial website www.gopinv.com. We sell Asian snacks to students in various universities.

- Website construction
- Start-up company strategy
- Entrepreneurship

2015.7–2015.8 **SHANGHAI ORIENTAL SECURITY (Xi'an Branch)**

Xi'an, China

*Summer Intern*

Worked as an assistant for a Product Manager.

- Customer preference analysis
- Research on Security Analysis

2014.5–2014.9 **LIGHTAGE VISION STUDIO**

Xi'an, China

*Co-Founder*

I, along with my 5-year friend, found a studio that provides professional photography and microfilm service for customers. The studio was temporarily shut down because of our studying abroad in different cities.

## Academic Projects

2016.9–Present **Personal Website**

My personal website is under construction . It is based on a Node.js platform called Hexo. This website is for my portfolio display and to track my precious experience of computer science study.

2016.3–2016.6 **Android Application: Couple Tones**

Software Engineering class project.

This application is basically used to track the whereabouts of couples. The user can pair up with her/his boy/girlfriend and couples can get to know the up-to-date status of each other.

- Android Studio
- Design patterns and software development tools such as JIRA, Agile, Circle CI and Github
- Google service APIs such as Google Map and Firebase.

2016.4

### Auto-Complete/Spell Checking

Advanced Data Structure class project

An auto spelling-checker majorly based on the implementation of C++ ternary search tree. Like the spelling check of most search websites, it can automatically complete the user input based on doctrinaires.