

Ziqi(Charles) Gan

Last Updated on 18th January 2017

Interests

Software Engineer
Front-end Engineer
Data Analyst

Contact

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Languages

Chinese(Native)
English(Proficient)

Website

www.ziqigan.com

Education

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

Coursework

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

In Progress:

Computer Graphics
Algorithm
Theory of Computability
Numerical Analysis

Programming Skills

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

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 / Tech Staff

I participated in the initial development phase of an E-Commercial website www.gopinv.com. We sold Asian snacks to students in various universities. The company was acquired by our competitor Yamibuy.com

- Website construction
- Start-up company strategy
- Entrepreneurship

2015.7–2015.8 SHANGHAI ORIENTAL SECURITIES (Xi'an Branch)

Xi'an, China

Summer Intern

Worked as an assistant for a Product Manager.

- Customer preference analysis
- Research on Security Analysis

Academic Projects

2016.9-2016.12 Neural Network

Me and my teammates studied and implemented different kinds of neural networks. We constructed Logistic and Softmax Regression with back-propagation from scratch, and implemented CNN and RNN with Keras. The training procedure is majorly based on MNIST and CIFAR databases.

- Python/ NumPy
- Amazon Web Service

2016.9–Present Personal Website

My personal website is under construction.

- Based on Bootstrap
- HTML/CSS/JavaScript
- Personal blog with Python Flask and MongoDB

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 dictionaries.