

# Zuqi Chen

Seeking Software Engineering Intern

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San Diego, California



## EXPERIENCE

- September 2016 - Present

Undergraduate CSE Tutor

Computer Science and Engineering @ UC San Diego  
Tutoring for CSE 11: Introduction to Computer Science and OOP: Java
- March 2016 - June 2016

Undergraduate CSE Tutor

Computer Science and Engineering @ UC San Diego  
Tutoring for CSE 30: Computer Architecture and System Programming

## PROJECTS

- August 2016 - Present

Portfolio Website Milestone 1.0

HTML, CSS (Sass), jQuery, Git, Ruby on Rails, Sketch

- Mobile-first and fully responsive design
  - Start from scratch; no templates used
  - Sass to preprocess the styles; jQuery to make it interactive
  - Built upon Ruby on Rails framework
  - Currently working on a blogging feature
- July 2016

Tic Tac Toe Game

Ruby, Git

- A command line version of the famous Tic Tac Toe game
  - Written in plain Ruby
  - 4 classes and more than 200 lines of code
  - First game I create solely on my own from design to code
- May 2016 - June 2016

Autocomplete

C++, Git

- A program that reads huge dictionary files and provides autocompletion
  - Written in C++
  - The first version runs extremely slowly on large dictionary file
  - Optimize it with data structures such as graphs and unions
  - Use an optimized BFS to drastically reduce the running time
- March 2016

GradeSource Checker

Python, Git, Linux

- A program that automatically checks the update on GradeSource
  - Written in Python
  - Use BeautifulSoup to parse the HTML and log the update to a file
  - Schedule the script to run every 15 minutes using Linux Crontab
  - Sends emails to the users to notify changes
  - Setup script to make the program a lot easier to configure
- March 2015

Snake Game

Java, Git

- A basic game consisted of a GUI and 6 different classes
  - Written in Java
  - The user controls the snake and try to avoid obstacles
  - The speed of snake is increased after certain amount of time

## EDUCATION

- September 2014 - June 2018 (expected)

University of California, San Diego

B.S. Computer Science | GPA: 3.7

## RELATED COURSEWORK

- Major Courses

Introduction to Computer Science and OOP: Java

Basic Data Structures and Object-Oriented Design

Advance Data Structure

Software Engineering

Computer Organization and Systems Programming

Mathematics for Algorithm and Systems

Introduction to Discrete Mathematics

Design and Analysis of Algorithms

Components and Design Techniques for Digital Systems

Digital Systems Laboratory

Introduction to Computer Architecture

Software Tools and Techniques Laboratory

## SKILLS

- Programming

Java

C / C++

CSS

Ruby

Android Development

SPARC Assembly

Python

HTML

JavaScript

Ruby on Rails

iOS Development

Agile Development
- Design

Bohemian Coding Sketch

Adobe Photoshop
- Photography

Adobe Lightroom

Adobe Photoshop

## LANGUAGES

ENGLISH

Proficient

CHINESE

Native