

# Zuqi Chen

Seeking Software Engineering / Web Development Internship

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## EXPERIENCE

- September 2016 - Present

**Undergraduate CSE Tutor for Prof. Rick Ord**  
Computer Science and Engineering @ UC San Diego  
Tutoring for CSE 11: Introduction to Computer Science and OOP: Java
  - Help students in the lab complete Java programming assignments
  - Proctor quizzes and exams
  - Grade students programming assignments
- March 2016 - June 2016

**Undergraduate CSE Tutor for Prof. Rick Ord**  
Computer Science and Engineering @ UC San Diego  
Tutoring for CSE 30: Computer Architecture and System Programming
  - Guide students through their assembly and C programming assignments

## PROJECTS

- August 2016 - Present

**Portfolio Website**  
HTML, CSS (Sass), jQuery, Git
  - Design with mobile-first and responsive in mind
  - Use Sass to preprocess the stylesheets
  - Use jQuery for some fun visual elements
  - Hosted on GitHub Pages
  - Currently working on a blogging feature (Node.js)
- July 2016

**Tic Tac Toe Game**  
Ruby, Git
  - A command line version of the Tic Tac Toe game
  - Use plain Ruby
  - Design from scratch
  - Currently working on a web version
- May 2016 - June 2016

**6 Degrees of Kevin Bacon (academic)**  
C++, Git
  - Explore the degrees of separation between Hollywood actors that act in the same movies
  - Find the earliest year two actors collaborated
  - Use a huge actor lists parsed from IMDB database
  - Implement using graphs and unions, which drastically reduce the running time
- March 2016

**GradeSource Checker**  
Python, Git, Linux
  - Check the update on GradeSource automatically
  - 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
  - Configure the program easily using a setup script
- March 2015

**Snake Game (academic)**  
Java, Git
  - A basic game consists of a GUI and 6 different classes
  - Use Swing for GUI
  - The user controls the snake and tries to avoid obstacles
  - Increase the speed of snake after a certain amount of time

## EDUCATION

- September 2014 - June 2018 (expected)

**University of California, San Diego**  
B.S. Computer Science | GPA: 3.7 / 4.0

## RELATED COURSEWORK

- Major Courses

Introduction to Computer Science and OOP: Java

Basic Data Structures and Object-Oriented Design

**Advanced 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++

Python

Node.js

HTML

SPARC Assembly

CSS

jQuery

React

iOS Development
- Design & Photography

Adobe Lightroom

Adobe Photoshop

Bohemian Coding Sketch
- Others

Agile Development

Scrum