

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

- October 2016 - Present

UC San Diego Shuttle API
Node.js, Express.js, Git
 - Scrape the data from UCSD Shuttle website then output as JSON
 - Store data on server for later use
 - Follow the RESTful design pattern
 - Deployed on Heroku
- September 2016

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
- 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
 - Parse the GradeSource website using BeautifulSoup
 - Log the update time using regular expression
 - 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

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

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- Design & Photography

Adobe Lightroom

Adobe Photoshop

Bohemian Coding Sketch

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- Others

Agile Development

Linux Shell Scripting