

Daniel Rosenbaum

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EXPERIENCE

GuideSpark Inc. | Software Engineering Intern

Summer 2017

- Built several UI components in JavaScript and Ruby that saved large files and notified other users with a link to the file location
- Created a RESTful API integration between in-house Ruby on Rails applications that allowed for commenting and optimized workflow
- Developed a Ruby gem that automated previously manually done actions
- Responsible for JIRA tickets and following the Agile process

Pomona College | Head Teaching Assistant

January 2015 - Present

- Collaborate closely with the professor to design schedules, rubrics and assist twenty-five students during their weekly lab periods and promoted to Head Teaching Assistant for both classes (Data Structures and Advanced Programming and Introduction to Computer Science) taught in Java and C
- Hold biweekly office hours to assist students with course material and assignments as well as any questions they may have on the topic
- Oversee grading of all coursework and train other teacher assistants at grading and to be accessible and helpful to students of various skill levels

PROJECTS

SSE Database Reader | Web Application

August 2017

- Worked with an economics professor to create an easily accessible and editable database with information from the Shanghai Stock Exchange
- Scraped online web data into a database using Python, Selenium and the BeautifulSoup library which was then handled using MySQL
- Built a Flask run website using HTML, JQuery and Bootstrap that allows users to search the different datasets by date and variables and produces a.csv file

ASPC Reviews | Chrome Extension

July 2017

- Built a pop-up extension that allows students to easily access and view professor ratings from the ASPC, school run website, site.
- Allows for a table view of professors, which can be sorted by header
- Built using HTML and JavaScript; now in use by ~5% of the student body

Craigslist Relister | Script

August 2017

- Created a Python script that uses Selenium that re-lists all expired items in a Craigslist account while also storing any items that were unable to be relisted

Mini-Hoop Basketball | iOS App

April 2017 - Present

- Currently building a game that allows players to shoot the basketball and try to score as many baskets in the given amount of time while keeping a leaderboard

EDUCATION

Pomona College

Computer Science Major

Mathematics Minor

Expected May 2019, Claremont, CA

• Major GPA: 3.83 • Overall GPA: 3.7

• Pomona College Scholar

COURSEWORK

Computer Science

• Data Structures and Advanced Programming • Computer Systems • User Interfaces and User Experience* • Graph Algorithms and Applications* • Algorithms*

Mathematics

• Linear Algebra • Multivariable Calculus
• Combinatorial Mathematics*
• Computability and Logic* (*Current/Fall 2018)

SKILLS

Languages

Proficient

• Java • Python

Experience

• HTML • CSS
• Ruby • Swift
• C • JavaScript
• JQuery • SQL
• SML • Assembly

Tools & Tech

• Flask
• Heroku
• Xcode
• Selenium
• MySQL
• Rails
• Bootstrap
• BeautifulSoup

ACTIVITIES

Varsity Basketball

Team Captain

October 2015 – Present

- Organize and schedule offseason training, liaison between players and coaches and guide team during practices and games
- Second Team All-SCIAC
- SCIAC Newcomer of the Year
- Lopota Classic All-Tournament Team