RENA CHEN

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EDUCATION

UNIVERSITY OF CALIFORNIA, BERKELEY   GRADUATION: MAY 2019
JUNIOR, COGNITIVE SCIENCE & COMPUTER SCIENCE

COURSEWORK
- iOS (CS198)
- Webdesign (CS198)
- Data Structures and Algorithms (CS61B)
- Structures & Interpretation of Computer Science (CS61A)
- Computer Architecture (CS61C)
- Artificial Intelligence (CS188)

PROJECTS

HANGMAN, SWIFT 3.0
- Developed a traditional, interactive Hangman game for iOS mobile devices
- Designed and created a customized UIButton keyboard to enable and disable letter selection

GOGO-PLACES, HTML5, CSS3, JAVASCRIPT
- Worked in a team of five at a hackathon to create a point-of-interest scavenger hunt aimed for those who were traveling to or visiting a certain area
- We utilized Google Maps API to correspond with data points given by the Amadeus Travel API to mark the scavenger hunt locations

BEAR MAPS, JAVA
- Utilized open source street data and search algorithms to write the back-end of a web application representing UC Berkeley's campus
- Designed an admissible and consistent heuristic to leverage A* search, optimizing the performance for finding the shortest path

EXPERIENCE

UNIVERSITY OF CALIFORNIA, BERKELEY   AUG 2016 - MAY 2017
STUDENT RESEARCH ASSISTANT
- Provided feedback on drafts of Professor Hug's textbook for the Spring 2017 Data Structures & Algorithms (CS61B) curriculum
- Organized course captures on YouTube to make the material more available to students

UNIVERSITY OF CALIFORNIA, BERKELEY   JAN 2016 - DEC 2016
ACADEMIC INTERN
- Worked with students in introductory computer science courses (CS61A & CS61B) to help them with labs, homework, and projects
- Helped students better understand computer programming in Python and Java, advanced data structures and algorithms, and recursion

ORGANIZATIONS

SOCIETY OF WOMEN ENGINEERS   OCT 2016 - PRESENT
WEBSITE COMMITTEE MEMBER
EVENING WITH INDUSTRY PROGRAM DESIGNER

PREVIOUS POSITIONS
- Career Options Day Head
- Professional Development Month Day Head

SKILLS

PROFICIENT LANGUAGES:
- Python
- Java
- Swift 3.0
- HTML5 & CSS3

FAMILIAR LANGAUGES:
- Javascript
- C
- SQL
- Scheme

SOFTWARE:
- Adobe Illustrator
- Git
- LaTeX

SPOKEN LANGUAGES:
- Fluent English
- Conversational Mandarin