## **JESSICA CHEN**

jchen12197@berkeley.edu | (858)776-9504 | Berkeley, CA

**COMPUTER SKILLS** 

Java Python C HTML/CSS R SQL Wordpress Drupal Git

#### **EDUCATION**

# University of California, Berkeley | Berkeley, CA

Expected May 2019 Overall GPA: 3.512

**Bachelor of Arts, Economics & Intended Computer Science** 

Courses: Structure/Interpretation of Computer Programs (CS 61A), Data Structures (CS 61B), Data Computing (STAT 133)

#### **PROJECTS**

Bear Maps April 2018

- Wrote the back-end of a web-mapping application in Java, using a real dataset of Berkeley, CA
- Implemented rastering, the conversion of guery requests to corresponding pixel-by-pixel images
- Implemented routing, the identification of distances/paths between two points, using a constructed graph and knowledge of sorting algorithms

Monster Escape February 2018

- Designed and created a 2D tile-based game in Java with keyboard and mouse interactivity
- Created a world generator to output random, unpredictable worlds for each new game
- Included creative mechanisms and descriptive features to ease and enhance the user experience

NBody Simulation January 2018

- Wrote a program in Java to simulate the motion of N objects in a plane
- Accounted for gravitational forces affecting objects using physics relationships and equations
- Created an animation to view the movements of the objects while performing the simulation

### **WORK EXPERIENCE**

# Haas Institute for a Fair and Inclusive Society | Berkeley, CA

August 2018 - Present

Web Developer

- Maintain and update multiple websites using Drupal, Wordpress, and Squarespace content management systems
- Improve website visual appearances and features by implementing new design layouts and adding CSS
- Incorporate CMS functionalities by installing plugins and updating backend code
- Troubleshoot and fix technical bugs/content errors
- Deploy changes via git and Pantheon hosting services

### UC Berkeley Computer Science | Berkeley, CA

June 2018 - Present

CS 61B/BL Academic Intern

- Help students in CS 61B enhance their understanding of course concepts such as data structures, asymptotic analysis, and sorting/search algorithms by answering questions and conducting mini lectures during lab sections
- Grade quizzes and provide individualized feedback on points of possible improvement

### Alpine Private Staffing | San Francisco, CA

June 2017 - October 2017

Business Development & Marketing Intern

- Curated company's online presence by updating website (Squarespace) and social media platforms with engaging posts
- Facilitated the child care professional hiring process by conducting initial phone screenings for 22 applicants
- Conducted on-the-ground primary research to identify target audiences and locations for marketing within Berkeley
- Developed marketing initiatives/executed pitches catered towards identified audiences via social media, phone calls, and email

### **LEADERSHIP & COMMUNITY SERVICE**

### People's Test Preparation Service | Berkeley, CA

September 2016 - May 2017

Math Subject Teacher

- Prepared classes of 25+ low-income, high school students for the math section of the SAT for two hours/week
- Created slide decks to lay out important concepts while engaging student attention
- Developed presentational skills and ability to communicate ideas across to large groups of people through lecturing
- Collaborated with fellow teachers to organize individual lessons into a cohesive learning experience for the students