JESSIE TSAI

jessiets@usc.edu
858-335-4300
San Diego, CA 92129

SUMMARY OF QUALIFICATIONS

Student pursuing a Bachelor degree in Computer Science looking for a Software Engineer Internship.
A true team player and a fast learner. Adaptable and driven with strong work ethic and ability to thrive in team-based or individually motivated settings. Expertise in C++.

EDUCATION

University of Southern California - Los Angeles, CA
Bachelor of Science
Computer Science, **Expected in May 2023**
- 3.7 GPA
- Minor in Applied Mathematics/Computational Mathematics

SKILLS

- C, C++, Python
- HTML, CSS
- Javascript
- Docker, Git, PythonGUI, Bootstrap
- English, Mandarin (native), Spanish

- Object Oriented Design
- Great active listener
- Advanced mathematical abilities
- Complex problem-solving abilities
- Drafting assignments

PROJECTS

Scrabble Game   *https://github.com/jessiets/ScrabbleGame*
- A game for 1-8 players and computer players. Each player takes turns placing tiles on a board, forming correct words, and gaining points.
- Applications: object orientated design, STL classes, graph(tries), backtracking search, exception error

Food4Mood   *https://github.com/jessiets/Food4Mood*
- An emotion recognition web page that captures and analyzes facial expressions. Based on results, program recommends various food options to boost user's mood.
- Applications: Flask, HTML, Python, and Microsoft Azure's Face API

Black Jack   *https://github.com/jessiets/Black-Jack*
- A stimulation of the Black Jack game that allows a player to play with a virtual dealer.
- Applications: C++, array search, conditional statements, loops

EXPERIENCE

ATTENDEE | March 2020
AthenaHacks - Los Angeles, CA
- Developed a project in collaboration with a team of first-time hackers.
- Built a facial recognition web page that provides food recommendations based on user's current mood Collaborated in coding algorithms, research, and video editing.

MATH TUTOR | May 2019 - December 2019
Private - San Diego, CA
- Improved students' performances by a letter grade.
- Directed students by identifying and addressing specific concerns.
- Tutored students in such areas as Algebra and Calculus, delivering individualized lesson plans and study guides on subject matter.

WEBSITES, PORTFOLIOS, PROFILES

- https://jessietsai.io/
- https://github.com/jessiets
- https://www.linkedin.com/in/jessie-ts/

RELEVANT COURSEWORK

- Data Structures and Object Oriented Design
- Discrete Methods in Computer Science
- Probability Theory

CERTIFICATIONS

- Programming for Everybody (Python), Coursera - 2020
- Web Development, Shaw Academy - 2020