JESSICA Z. HOU

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Objective

Enthusiastic college sophomore seeking a summer internship to hone and apply problem-solving, teamwork, and communication skills while gaining valuable experience in the computer science field

Education

SANTA CLARA UNIVERSITY

B.S. in Computer Science
Expected 2021
GPA: 3.759/4.0

Relevant Coursework

Object-Oriented Programming
Algorithms
Data Structures
Discrete Mathematics
Computer Graphics

Skills

C++, Java, HTML/CSS
MS Office
Mandarin Chinese

Projects

WORD SEARCH

2018

- Written in C++, a word-searching algorithm to find all valid words in a given puzzle of any dimensions

HANGMAN

2018

- A text-based hangman game written in C++ in which the answer is randomly selected from dictionary text file

Experience

CODE TO THE FUTURE

Instructor, 2018

- Taught elementary and middle school students block-based coding (Scratch) and Minecraft modding (Java)
- Led 6-hour classes consisting of a total of ~40 students
- Instruction focused on the debugging process, code organization & programming logic

STEM ACADEMY

Instructor, 2014-2017

- Taught elementary students how to apply the scientific method through executions of experiments
- Led team of ~4 instructors in planning, organizing, and teaching lessons, experiments, and demonstrations for ~30 students
- Provided students with additional opportunity to explore STEM field outside of class

Activities

SANTA CLARA COMMUNITY ACTION PROGRAM

CORAL Program Volunteer, 2017-2018

- Tutored elementary students in East San Jose through after-school enrichment program (CORAL)