

Madeline Sporkert

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EDUCATION

University of California San Diego: Ongoing

Sept. 2016 - June 2020

BS Mathematics Computer Science 2020
Minor Cognitive Science, German Studies
GPA: 3.6

EMPLOYMENT

University of California San Diego, CSE Tutor, La Jolla, CA

Fall 2018, Winter 2019, Spring 2019

Tutor for CS 11 and 30 classes at UCSD (Object-Oriented Programming, Computer Architecture & Systems Programming). Assisted students in implementations of Object-Oriented Programming concepts (polymorphism, concurrency, inheritance, encapsulation, abstraction), using various software tools (Shell scripts, Git, Vim, gdb, Makefiles), and computer architecture in C and ARM Assembly. Analyzed and debugged students' code, and explained concepts in C, Java, ARM Assembly, and Unix.

Google Inc, Engineering Practicum Intern, Mountain View, CA

June 2018 - Sept. 2018

Developed a front-end tool to view and compare configurations change history at product level using Javascript, HTML, Java, and CSS.
Attended workshops with GWE (Google Women in Engineering)

Caspio Inc, Technical Support Intern, Santa Clara, CA

June 2017 - Sept. 2017

Caspio, Inc. is a global cloud platform for creating custom business applications without coding. I assisted customers building custom cloud applications with the Caspio platform and HTML, CSS, and Javascript.

SKILLS

PROGRAMMING LANGUAGES: Java, C++, HTML, C, CSS, Javascript, Python

LANGUAGES: Mandarin Chinese, German

PROJECTS

Snake Game

Used Java to create the classic snake game. The game randomly places food targets on the board and keeps track of high scores.

Maze Solver

Designed an algorithm to find a way out of a maze using Stacks and Queues.

Graphical Phone Game

Used Java to write an Android phone game. The actor moves by utilizing the tilt sensors to avoid objects that follow the actor around the screen.

AWARDS

High School All-American Athlete, USA Badminton

July 2016

ACTIVITIES

Women in Computing @ UCSD, President

Sept. 2017 - June 2020

Organizes events, such as tech talks, resume workshops, interview prep, and socials, to support and celebrate the presence of women in computing.

Anita Borg Leadership and Engagement Program, Mentor

Oct. 2017 - Current

Mentor high school girls with an interest in engineering.

Grace Hopper Celebration of Women in Computing, Attendee

2017 - 2018

Attended talks on computer science education, balloon-powered internet for everyone, and building actions for the google assistant.

Smash of the Titans Charity Tournament, Tournament Director

2015 - 2017

Organized charity badminton tournament annually for three years with over 500 paying participants.