

Clara Lee

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EDUCATION

UC BERKELEY

BA IN COMPUTER SCIENCE

Expected May 2020 | Berkeley, CA

Cum. GPA: 3.4

MINOR IN GERMAN

Expected May 2020 | Berkeley, CA

RANCHO BERNARDO HIGH

Grad. June 2016 | San Diego, CA

COURSEWORK

UNDERGRADUATE

Multivariable Calculus

Linear Algebra

Differential Equations

Data Structures and Programming

Methodology

The Structure and Interpretation of

Computer Programs

Discrete Mathematics and Probability

Theory

Introduction to Artificial Intelligence

SKILLS

COMPUTATION

Java • LaTeX • Python

• InDesign • HTML • CSS

LANGUAGES

German (Intermediate) • Korean

(Conversational) • Spanish (Elementary)

INTERESTS

Rock Climbing (Bouldering) • Video

Editing • Violin (15 years) • German

Culture

INVOLVEMENT

CAL CLIMBING

Competition Direction: Coordinate competitions and training for the Cal Climbing competition team.

THETA TAU:

ENGINEERING FRATERNITY

Pledge Captain: Professional correspondence with people within and beyond the fraternity.

EXPERIENCE

EECS DEPARTMENT | LAB ASSISTANT: DATA STRUCTURES (CS61B)

August 2017 - Present | Berkeley, CA

- Assist current CS61B students during lab sections, office hours, and project parties
- Offer insight on coding practice and clarifications about any class content

MACHINE LEARNING @ BERKELEY | DATA SCIENCE DECAL STUDENT

August 2017 - Present | Berkeley, CA

- Learn practical and fundamental statistics and machine learning algorithms.
- Analyze and manipulate data in Python.

SMARTMIND ROBOTICS | ROBOTICS INSTRUCTOR

November 2015 - July 2016 | San Diego, CA

- Instructed an after-school robotics program at elementary schools.
- Used LEGO MINDSTORMS technology to teach students.

SAN DIEGO SUPERCOMPUTER CENTER | ONLINE CONTENT

DEVELOPMENT INTERN

June 2015 - August 2015 | La Jolla, CA

- Read, wrote, and edited 57 "Integrate Procure-to-Pay" webpages for UCSD faculty
- Wrote 42 knowledge-based articles
- Learned to use Excel by gathering and manipulating data from product sales

ICI ICE CREAM | ICE CREAM SCOOPER

June 2017 - Present | Berkeley, CA

- Serve customers by scooping gourmet ice cream
- Help the kitchen make the ice cream when there is a lull in customer flow
- Work 8-10 hours per week

PROJECTS

HTTPS://WCLARALEE.GITHUB.IO | PERSONAL WEBSITE

December 2017 - Present | San Diego, CA

- Used CSS and HTML to create a personal website from scratch, in order to document many aspects of my life.
- Currently in the process of creating more functionality by learning Ruby on Rails, in order to better incorporate my personal YouTube Channel.

GITLET | UC BERKELEY, DATA STRUCTURES

July 2017 | Berkeley, CA

- Programmed a simplified version of Github using Java
- Team of four to implement a complex tree of lists
- Created a program that could keep track of merge conflicts, deleted files, and changed files

AUTOCOMPLETE: TRIE TREES | UC BERKELEY, DATA STRUCTURES

August 2017 | Berkeley, CA

- Programmed an autocomplete function that takes string inputs from users to find relevant cities
- Used tries to make a program that ran in $O(nm)$ time, for n number of inputs of length m .