

# Jiazheng Zhao

## CONTACT

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## EDUCATION

### UNIVERSITY OF CALIFORNIA, BERKELEY

BA IN COMPUTER SCIENCE

Expected May 2020 |

Berkeley, CA

College of Letter Science

Cum. GPA: 3.88 / 4.0

Major GPA: 4.0 / 4.0

## LINKS

Github:// [github.com/zodzhao](https://github.com/zodzhao)

LinkedIn:// [JiazhengZhao](#)

YouTube:// [JiazhengZhao](#)

## COURSEWORK

### UNDERGRADUATE

Data Structures and Algorithms

Machine Structures

Data Science

Circuits and Signal Processing

Discrete Math and Probability

Theory

Linear Algebra

Multivariable Calculus

## SKILLS

### PROGRAMMING

Expert:

Java • Python • C

Familiar:

C++ • Lisp • SQL • Web

Development • Android

Development

## EXPERIENCE

### WANG LAB | RESEARCH ASSISTANT

Feb 2018 - Present | Berkeley, CA

- Designing/ redesigning python package for an Landscape Genetics project to achieve better runtime in data analysing and simulating natural process
- Testing by running demonstrative analyses including validations of population-genetics models, generating multiple population genetic dataset under different scenarios and compare with real world empirical data

### COURSE STAFF | LAB ASSISTANT

June 2017 – Aug 2017 | Berkeley, CA

- Work in COMPSCI 61BL(data structures, a class I placed top 3%) lab to ensure students have a good understanding knowledge and help them with lab assignments.

### RUBIK'S CUBE CLUB AT BERKELEY | COURSE INSTRUCTOR

Jan 2017 – Present | Berkeley, CA

- Organize and instruct Math 98/ Math 198, a class about Rubik's cubes where instructors lead small groups in weekly classes.
- Help organize and staff in World Cube Association competitions.

## PROJECT

### ZDIARY | COMMAND LINE INTERFACE, JAVA

- Personal side project for personal needs and practice.
- Implements RSA encryption and basic file management and data structures in Java.

### TEAMFORMATION | ANDROID STUDIO

- LAHacks group project with Xuanqiang Zhao and Yuda Song that helps hackathon participants find teammates by skills.
- Mainly in charge of front-end view of application and also work across the stack on various tasks.

### MUSIC CLASSIFIER | COURSE PROJECT, PYTHON, JUPYTER NOTEBOOK

- classifies two different genres of music based on the frequency of words appears in the lyrics.
- Made with machine learning model from scikit-learn python package.
- Placed the 4th in the 500+ people class with 94 percent accuracy

### BERKELEY MAP | COURSE PROJECT, JAVA, XML PARSING

- A maven map project that implements rastering graphs with effective tree-pruning technique
- Implements shortest path finding functionality with A\* algorithm

## SOCIETY AND HONOR

2017 - Upsilon Pi Epsilon Computer Science Honor Society

2015 - 1st place, VEX Robotics Competition in World Adolescent Robot Contest