

# Abhik Ahuja

(209) 361-4528  
ahujaabhik@berkeley.edu

## EXPERIENCE

### UC Berkeley EECS — CS70 Academic Intern

June 2020 - August 2020

Helps students increase their understanding of subject matter by assisting during discussion sections and explaining problem solving concepts. Teaches topics including mathematical proofs, cryptography, Markov chains, and probability.

### Lodi Unified School District — High School AVID Tutor

January 2018 - May 2019

Tutored high school sophomores and juniors in academic questions from both high school and college level coursework, especially in mathematics.

## EDUCATION

### University of California Berkeley, Berkeley — Double Major Computer Science and Mathematics

August 2019 - May 2023 (expected) - 3.94 GPA

Courses:

- Structure and Interpretation of Computer Programs
- Linux System Administration
- Data Structures
- Designing Information Devices and Systems I/II
- Discrete Mathematics and Probability Theory

## SCHOOL PROJECTS

### Gitlet

- Wrote Java code to save and restore codebases with control over individual files and commits.
- Optimized program to use the least amount of resources possible with each operation.
- Implemented features to allow the separation of codebases into different branches.
- Provides the ability to intelligently merge branches based on commit history of each branch.

### Scheme Interpreter

- Wrote software to parse and convert Scheme expressions into Python.
- Implemented Tail Call Optimization to improve performance when utilizing recursion.

## PROJECTS

### AJA Messenger (Android Messaging App)

- Implemented a Naive-Bayes classifier to filter and separate spam messages with a high degree of accuracy.
- Based on the open-source messaging app Mesibo

### Todo List

- Used React.js and Material-ui to create a modern and functional frontend to add, categorize, and view tasks.
- Made a backend using Node.js and Express that stores tasks in MongoDB to make them accessible from anywhere.
- Integrated Auth0 for secure user management and authentication to keep tasks private.

## EXTRACURRICULAR ACTIVITIES

### Open Computing Facility — Staff

August 2019 - Present

Staff at the OCF, a space dedicated to providing free computing resources to the Berkeley community with FOSS software.

## SKILLS

Python  
React.js

Java  
Node.js

Linux  
Express

Scheme  
MySQL

HTML  
MongoDB

CSS  
Bootstrap

JS  
Docker

jQuery  
Nginx

## LINKS

[github.com/origamiman72](https://github.com/origamiman72)

[linkedin.com/in/abhik-ahuja](https://linkedin.com/in/abhik-ahuja)

[abhikahuja.com](https://abhikahuja.com)