

# Adi Zimmerman

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## EDUCATION

### UC BERKELEY

#### COMPUTER SCIENCE

(Certificate for Technology Entrepreneurship)

Expected May 2020 | Berkeley, CA

Major GPA: 3.6/4.0

### HOMESTEAD HIGH SCHOOL

June 2016 | Cupertino, CA

AP Scholar with Distinction

ACT 34/36, SAT Math2 800/800

GPA 3.98/4.00

## LINKS

<https://github.com/adizim>

<https://www.linkedin.com/in/adizim>

## COURSEWORK

### UPPER DIVISION

Algorithms

Security

Databases

Artificial Intelligence

Principles & Techniques of Data Science

### LOWER DIVISION

Structure & Interpretation of Programs

Data Structures

Computer Architecture

Discrete Math & Probability Theory

Linear Algebra

## SKILLS

### LANGUAGES

English • Hebrew

### PROGRAMMING

Proficient

Java • Python • Shell

Comfortable

C • HTML/CSS • Javascript • SQL •  $\LaTeX$

### TECHNOLOGIES

Unix • Git • Vim • AWS • MQTT • Spark

Docker • Gradle • Flask • numpy •

pandas • scikit-learn

## EXPERIENCE

### CISCO | SOFTWARE ENGINEERING INTERN

May 2018 - August 2018 | San Jose, CA

- Built lightweight, distributed IOT message broker designed for high horizontal scalability using Eclipse Vert.x and Apache Ignite
- Flexible deployment with choice of cloud compute engine (AWS, Azure, GCP) or on-premise with Docker
- Worked primarily with **Java**

### MARVELL | SOFTWARE ENGINEERING INTERN

June 2017 - August 2017 | Santa Clara, CA

- Developed IOT networking protocol between ESPRESSObin (RaspberryPi-like IOT community board specialized for networking) and external devices.
- QA for OS (Buildroot, Ubuntu) and servers (PLEX Media, NFS, MySQL)
- Worked primarily with **Python** and **C**

### BERKELEY INSTITUTE FOR DATA SCIENCE | INFRASTRUCTURE TEAM

Jan 2017 - May 2017 | Berkeley, CA

- Worked on website tool to connect students with research opportunities
- Worked primarily with **Ruby on Rails**

## PROJECTS

### DATABASE MANAGEMENT SYSTEM

Berkeley CS168 (Databases)

Built multiple layers of DBMS with key data structure (B+ Trees) and logic (various join algorithms, query optimization (System R), and lock management) with **Java**

### GOODBOOKS

[github.com/adizim/goodbooks](https://github.com/adizim/goodbooks)

A book review website that allows users to search for, review, and discuss books

Built with **Flask**, deployed with **Heroku**

<https://thegoodbooks.herokuapp.com>

### HACKERSEARCH

[github.com/adizim/hackersearch](https://github.com/adizim/hackersearch)

Search for top stories from social news website Hacker News

Built with **React/Redux**, deployed with **Heroku**

<https://hackersearch.herokuapp.com>

## EXTRACURRICULAR

### SAN FRANCISCO SYMPHONY YOUTH ORCHESTRA | PRINCIPAL AND SECTION CLARINET

Aug 2014 - May 2016 | San Francisco, CA

Led and followed in four man section

### ACADEMIC INTERN | STRUCTURE & INTERPRETATION OF PROGRAMS

Spring 2017 | Berkeley, CA

Supported weekly labs and helped students in group homework/project sessions throughout the year