

# ANTHONY RODRIGUEZ

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## EDUCATION

### University of California—Berkeley, Berkeley, CA

Bachelor of Arts in Data Science  
Expected Graduation: May 2021

### Modesto Junior College, Modesto, CA

Graduated: May 2017

### Relevant Courses:

Data Structures,  
Machine Structures,  
Introduction to Artificial Intelligence,  
Efficient Algorithms and Intractable Problems,  
Principles and Techniques of Data Science

**Accomplishments:** Bay Honors Consortium  
Honors Research Scholar 2016 & 2017,  
Hispanic Scholarship Fund Scholar 2017 & 2018

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## NOTABLE PROJECTS AND ACTIVITIES

**Pacman Projects (course project):** With Python, I applied an array of multiple AI techniques such as informed state-space search, probabilistic inference, and reinforcement learning to perform a series of Pacman actions that yield the optimal expected outcome to the goal state.

**Bear Maps (course project):** Used Java, graph algorithms, and an Open Street Map data set to implement the backend of a web server that generates a map of the city of Berkeley.

**Food Safety (course project):** With Python, Jupyter Notebook, the Pandas library, and information made available by the San Francisco Department of Public Health, I analyzed food safety scores for restaurants in San Francisco using techniques in data cleaning and exploratory data analysis.

**Facebook Above & Beyond Computer Science Workshop Series (Fall 2019):** Attended weekly workshops, at Facebook San Francisco headquarters, where I learned/reviewed data structures and relevant soft skills for interview preparation. Also, completed weekly coding assignments on Hacker-Rank.

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## SKILLS

**Languages:** Python, Java

**Working Knowledge:** C/C++, RISC-V, Scheme, SQL, JavaScript, HTML, CSS, Bash, Git

**Frameworks, Libraries, API's:** Pandas, JUnit, NumPy, Jupyter Notebook, Canvas

**Data Science Skills:** Exploratory Data Analysis, Data Cleaning, Data Visualization

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## WORK HISTORY

### Desktop and Systems Support Specialist

September 2019 - Present

Cal Alumni Association, Berkeley, CA

- Provide troubleshooting support to issues with user's desktop/laptop, network connection, and printer.
- Create, delete, and manage user's G Suite services using Google Admin.
- Reimage computer systems for deployment to new users and connect their systems to the network.

### Academic Intern

Jan 2018 - May 2018

University of California – Berkeley, Berkeley, CA

- Assisted UC Berkeley's CS 61A students with lab assignments using Python, Scheme, and SQL.
- Guided students on how to compose computer programs by properly using data abstraction.
- Led students in constructing correct algorithms to solve programming exercises.

### Supplemental Instruction Leader

August 2016 - June 2017

Modesto Junior College, Modesto, CA

- Guided peer-lead study group sessions for math students outside of courses.
- Created worksheets for students to follow during supplemental instruction sessions.
- Met with course instructor on a weekly basis to report student progress and discuss strategies to be used in supplemental instruction session that can further student success in their course.
- Improved students' overall grade in the course by a whole letter grade.