

ANTHONY RODRIGUEZ

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EDUCATION

University of California—Berkeley, Berkeley, CA

Bachelor of Arts in Computer Science

Cumulative GPA: 3.56

Expected Graduation: May 2020

Modesto Junior College, Modesto, CA

Graduated: May 2017

Relevant Courses:

Structure and Interpretation of Computer Programs, Data Structures, Discrete Mathematics and Probability Theory, Machine Structures, Introduction to Linear Algebra and Differential Equations

Accomplishments:

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

NOTABLE PROJECTS

Yelp Maps (course project): Used Python 3 to help create a visualization of restaurant ratings using machine learning and the Yelp academic dataset.

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.

BYOG (course project): With Java, I created a 2-D tile-based video game that randomly generates hallways and rooms where a player can move around.

Portfolio Website: Created a portfolio website (arod209.github.io) using GitHub Pages, HTML5, HTML5 Canvas, CSS, and JavaScript.

SKILLS

Languages: Python, Java

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

Frameworks, Libraries, API's, OS's: JUnit, React, NumPy, Matplotlib, HTML5 Canvas, Bootstrap, Linux, Windows

Soft Skills: Effective verbal and written communication, eager to learn new skills, problem-solver

WORK HISTORY

Academic Intern, Jan 2018 - May 2018

University of California – Berkeley, Berkeley, CA

- Assisted UC Berkeley's CS 61A students during lab sections with computer programming in the Python programming language.
- 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.

Academic Tutor, August 2014 - August 2016

Modesto Junior College – Modesto, CA

- Provided academic assistance to students in math subjects that range from arithmetic to integral calculus.
- Tutored in a one-on-one or group setting.