

Yadira Flores

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EDUCATION

UNIVERSITY OF CALIFORNIA, BERKELEY

Expected May 2019

Intended Bachelor of Arts, Cognitive Science - Minor in Computer Science

Relevant Courses

Algorithms, Database Systems, Data Structures, Computer Architecture, Discrete Mathematics and Probability Theory, Artificial Intelligence, Machine Learning Seminar

WORK EXPERIENCE

Software Engineering Intern, NerdWallet

Summer 2018

- Worked on credit growth team as a full stack developer using Python, React and Redux
- Part of three person engineering team working on new “My Cards,” “Credit Builder” and “Offers” pages
- Created end points with calls to company APIs, unit and integration testing, and new React components

Software Design Intern, Engineering Services Incorporated

Summer 2017

- Interned at a robotics company in Toronto, Ontario during a study abroad program
- Worked on creating website for a robot meant to serve as a roving security camera, implemented A* algorithm on website map and established data, video, and audio connections with robot

Lab Assistant CS10 “The Beauty and Joy of Computing” UC Berkeley

Fall 2016-Present

- Introduced students to programming through graphical programming language “Snap!” and Python as well as some “Big Ideas” of computing like AI, recursion, and time complexity.
- Assisted over 40 students at a time with labs, projects, homework, and led labs for over 80 high school students at UC Berkeley’s annual CS ED Day

PROJECTS

Smart Mirror

- Code2040 hackathon project which used facial recognition to display to users professionals in their field of interest which look the most like them in an effort to show representation of underrepresented groups

Query Optimizer

- Implemented a B+ Tree which included SQL query cost estimator and an optimal query plan chooser

BearMaps

- Executed back-end coding for map of Berkeley that calculates shortest viable path between two user-inputted points using JSON API and A* search algorithm

SKILLS

- Programming Languages (in order of proficiency): Python, Java, C, SQL, Ruby, Assembly (RISCV)
- Web: React, Redux, HTML5, JavaScript, CSS3, and jQuery

ACTIVITIES

Code2040 Fellow

Summer 2018

- Fellowship for over 150 Black and Latinx CS students, participated in various technical and professional development workshops while interning with a partner company

UC Berkeley SHPE Student Chapter Hispanic Engineers & Scientists

2016-Present

- Organization of over 100 STEM students with professional development workshops, outreach events with local high schools, TedTalk styled presentations, and networking events with sponsor companies
- **Web Master 2018-2019 Academic Year-** In charge of designing and updating main website and creating a sponsorship package

Hermanas Unidas UC Berkeley

2015-Present

- Participating in academic, community service, and social events/workshops that provide professional leadership opportunities and resources to over 200 predominately Latina students
- **Treasurer 2016-2017 Academic Year-** In charge of managing all monetary accounts and fundraisers