

Yadira Flores

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EDUCATION

HANFORD WEST HIGH SCHOOL- 4.39 GPA

UNIVERSITY OF CALIFORNIA, BERKELEY

Intended Bachelor of Arts, Cognitive Science

August 2011 – June 2015

Expected May 2019

RELEVANT COURSES

CS61A - The Structure and Interpretation of
Computer Programs

CS61B - Data Structures

CS61C - Great Ideas of Computer Architecture
(Machine Structures)

CS70 - Discrete Mathematics and Probability
Theory

CS188 - Introduction to Artificial Intelligence

CS170 - Efficient Algorithms and Intractable
Problems

EMPLOYMENT

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 security robot, implemented A* algorithm on website map and established data, video, and audio connections with robot

Security Monitor -UC Berkeley Residence Halls - *June 2016-Present*

- Ensure safety and security of residents by monitoring all entry and verifying the identity of everyone who enters the residence halls and act as a resource to residents for safety information

TEACHING

Lab Assistant CS10 “The Beauty and Joy of Computing” UC Berkeley- *Fall 2016-Present*

- Students are introduced to programming through UC Berkeley’s graphical programming language “Snap!” followed by an introduction to Python as well as some “Big Ideas” of computing.

PROJECTS

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

Database

- built a relational database management system (DBMS), as well as a DSL (Domain Specific Language) with which a user can interact with a database, similar to SQL

Scheme Interpreter

- handles mathematical, define, and quote operation as well as higher order operations such as Lambda and Mu procedures using Python

SKILLS

- Programming Languages: Python, Java, SQL, C++
- Web: HTML5, Javascript, CSS3, and jQuery
- Proficient in Microsoft Power Point, Word, Excel, Publisher, LaTeX, Git

ACTIVITIES

Hermanas Unidas UC Berkeley-*2015-Present*

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

UC Berkeley SHPE Student Chapter Hispanic Engineers & Scientists- *2016-Present*

- Organization that focuses on empowering the Hispanic community to realize its fullest potential and to impact the world through STEM awareness, access, support and development