Jorge Soto Peña

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Education

University of California, Berkeley

Bachelors of Arts in Data Science and Ethnic Studies.
Expected Graduation: December 2021

Languages

- Python	- Java
- C	- Javascript
- HTML	- SQL
- CSS	

Relevant Coursework

- CS61A: Structure and Interpretation of Computer Programs
- CS61B: Data Structures
- CS61C: Machine Structures
- CS70: Discrete Mathematics & Probability
- CS198: Web Design

Awards & Honors

- 2018 TAVtech Fellow
- Hispanic Scholarship Fund Scholar
- South Central Noonan Scholar
- UC Berkeley CS Scholars
- Chapman University Annual Henry Kemp-Blair Festival Outstanding Monologue Award
- UCLA High School Summer Research program Best Scientific Research Poster Award

Projects

Gitlet

- Implemented a version-control system that mimics some of the basic features of the popular version-control system Git (such as add, commit, and checkout).
- Utilized SHA-1 hashes to distinguish between commit objects.
Technologies: Java

Bear Maps

- Implemented the backend of a Google Maps clone for the city of Berkeley.
- Programmed map rasterization based on longitude and latitude coordinates, routing with a memory optimized version of the A* algorithm , and text autocomplete.
Technologies: Java

Personal Website

- Used HTML, CSS and javascript to design a portfolio-type website for a fellow student.
- Website link: http://jorgesotopena.github.io

Extra Curricular Activities

Hispanic Engineers and Scientists, UCB | Jr. Chapter Liaison — Jan. 2018 - Present, Berkeley, CA
- Increased outreach by overseeing a high school chapter of HES and their collaborations with our club.
- Aided in the transportation of food for events with member attendance of more than 60 people.

Compass, UCB | Founding Member — Oct. 2017 - Present, Berkeley, CA
- Managed club funds & purchases through the LEAD Center.
- Helped create the clubs constitution along with registration.
- Partnered with sister organizations to launch a weekly study hall reaching 60 students per event.

Cal Performances | Stage Door Employee — Oct. 2017 - Present, Berkeley, CA
- Helped staff and artists during pre/post production.
- Assisted the office manager with administrative work.

Community Service

Cal C.R.E.A.T.E. | Student Teacher — Aug. 2017 - May 2018, Berkeley, CA
- Developed arts curricula for elementary students to provide a means of identity exploration through theatre.
- Taught 80 students theatre at local schools

UC Berkeley Food Pantry | Volunteer — Jan. 2018 - Aug. 2018, Berkeley, CA
- Managed the food pantry to battle food insecurity at Cal
- Advertised student food & housing resources.