



## Education

### University of California, Santa Barbara

Major: Computer Science || Expected Graduation Date: June 2021 || Bachelor of Science || GPA: 3.57/4.0

## Relevant Experience

### Google CodeU

April 2018 - August 2018

- CodeU: an invite-only program where I improved, innovated, and built on a chat app using Java Servlets, JSP, and the Google Cloud Platform in a team of 3 people led by a Google Engineer.
- Added functionality such as a page that allows users to view all events occurring in the app, a profile page, and the ability to add media in conversations.
- Improved the retrieval speed of data from linear to constant time through the use of optimal data structures to yield a smoother user experience. Abstracted data for the convenience of my teammates.
- Designed unit tests using JUnit and Mockito and led code reviews to ensure the maintainability of the code base.

## Projects

### UCSB Hybrid Drone Project Lead

January 2018 - Present

- Building a low-cost hybrid drone that can traverse land and fly with ground-penetrating radar capabilities.
- Manage the proposals for all the items we need to buy while working with a \$1000 budget.

### Robotics Club Autonomous Robot

September 2017 - April 2018

- Worked in a four-person team to create a robot that can traverse a maze for the micro mouse competition.
- Built the robot's flood fill algorithm which allows the robot to find the shortest path to the center of the maze.

### AI Chat

April 2018

- Using Node.js, Socket.io API, Web Speech API, and Dialogue Flow API, I developed a locally hosted application where users can converse with AI and the AI responds back based on what the user says.

### H1-B Visa Calculator (SB Hacks 2018)

January 2018

- My team executed and prototyped an app (in less than 2 days) that calculates the likelihood of getting an H1-B visa.
- I worked on the front-end app development and leveraged the firebase cloud to transfer user data to the machine learning algorithm and then retrieve the calculations made by the algorithm back to the user.

## Leadership

### Los Ingenieros/SHPE Representative

May 2018 - Present

- Represent and consolidate information for the club in school-wide meetings and when contacting companies.
- Hold workshops on networking and building impressive portfolios.

### Gaucha Kids Code

August 2018 - Present

- Working with a local elementary school to start an after school computer science program using the programming language Scratch and Google's CS First Curriculum.

## Skills

- **Tools:** Google Cloud Platform, Servlets, JSP, Junit, Github, and Maven.
- **Programming Languages:** C++, Java, Python, JavaScript, and HTML.
- **Bilingual:** English and Spanish.
- **Operating Systems:** Linux and Windows environments.

## Awards and Honors

- Google Student Retreat 2018
- Great Minds in Stem Conference Scholar 2017 & 2018
- Hispanic Scholarship Fund Award Recipient 2018
- Edison International Scholarship 2017
- HACU Scholar (Oracle Scholarship) 2018
- Dean's Honors (2x)
- Chevron Scholarship 2018

