Miguel A. Aparicio

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EDUCATION

California Institute of Technology _Present - June 2025_

Bachelor of Science in Computer Science and Mathematics

Relevant Coursework: Introduction to Computer Programming (_CS1_), Calculus of One and Several Variables and Linear Algebra (_Math1A_)

SKILLS

Programming and Technologies: Python, Java, HTML/CSS, JavaScript, LaTeX, Linux, Git

Language: Spanish (fluent)

EXPERIENCE

Freshman Summer Research Institute, _Caltech_ _August 2021 - September 2021_

The FSRI program consisted of four weeks of intensive math courses and a five weeks of summer research assignment. I was matched with a research mentor that allowed me to delve deeper into the inner-workings behind machine learning at-large, with some focus on neural networks. The program ended with a research presentation during which I explained to peers the work I had been conducting.

CSSI Scholar, _Google_ _June 2021 - August 2021_

Across four weeks, I engaged in an intensive computer science summer program for young, aspiring, high-achieving aspiring computer scientists. While connecting with like-minded peers and Google software developers, I completed a project-based JavaScript curriculum, focused on fundamentals, taught by Google engineers. During this same time, I attended product design, resume development, and software engineering interview workshops. The last week of the program, I developed a Chrome extension alongside a peer that facilitates the browsing of images on any website, accomplishing the finding and sorting of images as seen in the project by utilizing Javascript. In the end, alongside my partner I delivered a collaborative final project presentation that included a live demonstration to Google employees and community leaders.

PROJECTS

Health Tracking Web App, HackMIT _Summer 2019_

Alongside a friend, I developed a web app designed to meet the aim of the health tech track. I implemented the Javascript code that ran the calorie intake calculator based on personal statistics and health conditions as well as the recipe finder based on user input.

AWARDS AND HONORS

National Hispanic Scholarship _2021_

Questbridge Match Scholarship _2020_

ACTIVITIES

Fixing Retro Videogame Consoles _2017 - Present_