Sarah Mauricio

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OBJECTIVE:
To obtain a summer internship in the field of computer science.

EDUCATION:
University of California, Los Angeles   June 2023
B.S. Degree in Computer Science and Engineering   GPA: 4.0

Coursework: Intro to Computer Science; Data Structures and Algorithms; Intro to Computer Organization; Differential and Integral Calculus; Engineering Disciplines; Intro to Engineering Design: Internet of Things & AI Arena; Physics

EXPERIENCE:
TechKnowHow Lead Instructor   June 2020 - present
- Teaching 20 students (ages 8-15) the fundamentals of Python through lectures and code walkthroughs and encouraging good debugging practices at a Python Summer Coding Camp

UCLA AI Arena Research Team   March 2020 - June 2020
- Applied concepts in machine learning and artificial intelligence to optimize a game of PacMan in **Python**

UCLA Internet of Things Research Team   Sept 2019 - Dec 2019
- Implemented EmbeddedML principles to train a SensorTile to recognize motions using a two-state system
- Acted as if the SensorTile was a key and used two gyroscope motions to detect if a door was locked or unlocked

UCLA SOLES Lunabotics Team   Sept 2019 - present
- Currently building a robot capable of mining on the moon and coding its movements using OpenCV
- Learned how to program a FPGA microcontroller using Quartus Prime through a workshop hosted by Intel

ACADEMIC DEVELOPMENT:
3-week UCLA CEED Computing Immersion Summer Experience (CISE) Program   Aug - Sept 2019
- Learned foundations of **C++** through lectures, coding assignments, and projects

Boingo tour, agile/scrum teamwork challenge project   Sept 2019

ACTIVITIES / LEADERSHIP:
Center for Excellence in Engineering and Diversity (CEED)   2019 - present
Society of Latino Engineers and Scientists (SOLES)   Sept 2019 - present
UCLA SOLES Regional Leadership Development Conference (RLDC) Marketing Chair   April 2020 - present
- In the process of creating advertisements and a website using **React** and **Firebase** for the SHPE Region 2 RLDC

Society of Women Engineers (SWE)   Sept 2019 - present
Helix Charter High School Key Club   2016-2019
Key Club Vice President   April 2018 - April 2019

HONORS / AWARDS:
Rewriting the Code Fellow   2020
Helix Charter High School Valedictorian   2019
Hispanic Scholarship Fund Scholar   2019 - present
Girl Scout Gold Award   2018
- I educated teenage athletes about the causes, symptoms, and diagnosis procedure of osteosarcoma

EXTRACURRICULARS:
- UCLA Club Field Hockey, Soccer (team captain), Volunteering (Girl Scouts, Lemon Grove Rec Center, MESA)