Jeisson D. Pulido Calderon
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Education

University of Southern California, Los Angeles, CA (2023-Present).
California State University: Dominguez Hills, Carson, CA (2018-2023).
Overall CSUDH GPA 3.83 out of possible 4.00.
Physics CSUDH GPA 3.82 out of possible 4.00.

Work Experience

University of Southern California (USC). Los Angeles, CA. August 2023 – Present
-Currently serve as a laboratory instructor on Electricity and Magnetism experiments.
University of California: Los Angeles (UCLA). Westwood, CA. January 2022 – Present.
-Kang Research Group: Worked on Proton-Nucleus particle production using Python.
Université De La Côte D'Azur, Nice, France. May 2022 – July 2022.
- LISA Consortium: Worked on the characterization of spatial Photoreceivers.
Center for Astrophysics: Harvard-Smithsonian. Boston, MA. June 2021 – August 2021.
-Worked on constructing magnetic flux ropes using Matlab.
California State University: Dominguez Hills, Carson, CA. January 2019 – December 2021.
-Toro Learning and Testing Center: Tutored students in Math, Physics, and Critical Thinking.
Global Paratransit Inc., Gardena, CA. July 2019 – August 2019.
-Worked at a Call Center to provide transportation for people with disabilities.
Will Power to Youth., Los Angeles, CA. June 2018 – August 2018.
-Worked at an internship that empowers the youth from poor communities in LA.

Honors, Awards, Prizes, Memberships

National Science Foundation Graduate Research Fellowship (NSF GRFP). 2023-Present
Fall 2022, Honors List.
Cal-Bridge Scholar, Member. 2021-2023
2022 CSU Trustees Award for Outstanding Achievement, Recipient. 2022-2023.
Robert R Sprague Foundation Scholarship, Recipient. 2022-2023.
CB-EIC Fellowship at UCLA, Fellow. 2022
Mani L. Bhaumik Institute of Theoretical Physics at UCLA, Member. 2022
SACNAS, Member. 2020 and 2022.
Edison International STEM Scholarship, Recipient. 2022.
Spring 2022, Honors List.
Phillip Johnson Memorial Scholarship, Recipient. 2021.
CRLA Level 2 Peer Advanced Tutor at CSUDH, 2021.
Fall 2021, Honors List.
Spring 2021, Honors List.
Fall 2020, Honors List.
Fall 2019, Honors List.
Toro Learning and Testing Center at CSUDH, Student Leader. 2019
CRLA Level 2 Advanced Peer Tutor at CSUDH, TLTC. 2019-2021.
Spring 2019, Honors List.
Fall 2018, Honors List at CSUDH.

Presentations

PhysCon 2022.
Cal-Bridge Symposium 2022.
University of Florida REU 2022.
Student Research Day at CSUDH 2022. Winner
AGU Fall Conference 2021.
Cal-Bridge Symposium 2021.
CfA: Harvard-Smithsonian REU Symposium 2021.

Skills

Matlab, Python, Autoplot, GitHub, Computer Clusters, Excel, Windows, Public Speaking, Advanced Peer Tutoring, Oscilloscopes, Circuits, Spectrum Analyzers, LaTeX, Data Analysis, Writing, English and Spanish.

Community Service and Extracurricular Activities

Sigma Pi Sigma at CSUDH, 2020-Present. Member.
Physics Club at CSUDH, 2020 – 2021. President.
LA Food Bank, 2020 – 2021. Volunteer.
CSUDH, 2019 – 2021. Volunteer Tutor.
Boys and Girls Club at Carson High School, 2017 – 2018. Volunteer Tutor.

Professional Goals

I graduated from California State University: Dominguez Hills in 2023 with a BS in General Physics. My current objectives are to pursue a PhD in astronomy at the University of Southern California in studying extreme and rare explosive transient events such as superluminous supernovae (SLSN) and electromagnetic afterglows of compact-object mergers detected from their gravitational wave emission.

I plan to research their explosive properties by numerically modeling different supernova types and classify their features using Machine Learning tools. This work can be done and discussed under the supervision of Dr. Anthony Piro. I also aim to become a research professor after graduate school. It is my objective to mentor graduate and undergraduate students, give talks not only pertaining to my research, but also about my experience as an underrepresented student, and guide the new generations of scientists.