

Jose Arita-Escalante

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EDUCATION

B.S. Dual Degree in Physics and Mathematics (Currently Enrolled, Senior); 3.3 GPA (Cum Laude)
Virginia Commonwealth University (VCU), Richmond, VA 23220

RESEARCH EXPERIENCE

- **2019 VA-NC Alliance Summer Research Program** June 2nd-July 28th 2019 at University of Virginia in Charlottesville, VA. **Researched Bending Of Light In Exoplanet Atmospheres with the mentoring of Dr. Phil Arras**
 - **2020 VA-NC Alliance Summer Research Project** May 31st-July 31st 2020 remotely hosted by University of Virginia **Researched Bending Of Light In Exoplanet Atmospheres with the mentoring of Dr. Phil Arras**
 - **Research Assistant at VCU** October 2020-Present at Virginia Commonwealth University **Updating and Maintaining the Brain Graph Project by Dr. Craig Larson**
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ORGANIZATIONS

- VA-NC Louis Stokes Alliance for Minority Participation at VCU
 - American Astronomical Society Member at an Undergraduate Student Level
 - Alpha-Cen Member at a Basic Level
 - American Physical Society as an undergraduate member
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MEETINGS ATTENDED

- **11th Annual VA-NC Undergraduate Research Symposium** October 14th-15th 2018 at Virginia Tech in Blacksburg, VA. **Did not present**
- **2019 Leadership Alliance National Symposium (LANS)** July 26th-28th 2019 at Hartford, CT. **Presented Bending Of Light In Exoplanet Atmospheres**
- **2019 National Astronomy Consortium (NAC) Workshop** September 13th-15th 2019 in Washington D.C. **Presented Bending Of Light In Exoplanet Atmospheres**
- **2019 Shenandoah Undergraduate Math and Statistics (SUMS) Conference** September 21st 2019 at James Madison University in Harrisonburg, VA **Did not present**

- **235th Meeting of The American Astronomical Society** January 4th-8th 2020 in Honolulu, HI. **Presented Bending Of Light In Exoplanet Atmospheres**
 - **2020 Virtual Leadership Alliance National Symposium (VLANS)** July 30th-August 1st 2020 Remotely (Online) **Presented Bending Of Light In Exoplanet Atmospheres**
 - **LSAMP Indiana Annual Undergraduate Research Symposium** October 3rd 2020 Remotely (Online) **Presented Bending Of Light In Exoplanet Atmospheres**
 - **Conferencia de la IV Semana de la Carrera de Astronomía y Astrofísica (IV Week of Astronomy and Astrophysics Career Conference)** May 31st to June 4th 2021 Remotely (Online) (Hosted by National Autonomous University of Honduras) **Presented Refracción en Atmósferas Exoplanetarias (Bending Of Light In Exoplanet Atmospheres)**
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ACADEMIC WORK

- **VCU Campus Learning Center Tutor** August 2020 to May 2021 **Gives supplemental resources to students looking to reinforce topics covered in classes in my field of study**
 - **VCU Remote Learning Tools Project** October 2020 to May 2021 **Works along with the department of computer science to create a portal for students to engage in classes, participate and ask questions in a remote and/or synchronous manner**
 - **Social Work Project 2016-2017** October 2016 to May 2017 **Worked as a volunteer along with a team to provide elementary education to adults who had not started or finished their elementary education in Honduras. Taught math class at the 4th grade level. Worked 120 hours of volunteering throughout the duration of the program.**
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CODING EXPERIENCE

- **Python/Sage** Experience with Python and Sage in an educational environment and research environment
 - **Mathematica** Experience with Mathematica in an educational environment
 - **MatLab** Experience with MatLab in an educational environment
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SKILLS AND CERTIFICATIONS

- Highly proficient in the English and Spanish Language, written and spoken. Experience in professional interpretation between English and Spanish Language starting at the age of 15.
- **MatLab Onramp Certification** Course in the fundamentals of MatLab