

CURRICULUM VITAE  
**Morgan Alexandria Carrington**

[mcarrington@utexas.edu](mailto:mcarrington@utexas.edu)

EDUCATION

- 2022-Present Ph.D. Geological Sciences – University of Texas at Austin  
Jackson School of Geosciences  
Advisors: Prof. Joel Johnson and Prof. Timothy Goudge
- 2018-2022 B.S. Geology – University of California, Los Angeles  
Degree Awarded **June 2022** – GPA: 3.79
- 2014-2018 Etiwanda High School, Etiwanda, CA  
Diploma Awarded **May 2018**

ACADEMIC AND RESEARCH EXPERIENCE

- Caltech WAVE Fellows Program – Advisor: Prof. Joann Stock** June 2020 – August 2020
- Conducted a research project using SAR image and altimetry data collected during the Venus Magellan mission to identify and map structural features (e.g., graben, trenches) as a means to determine if region is a site of subduction
- Jet Propulsion Laboratory Intern – Advisor: Dr. Suzanne Smrekar** January 2021 – August 2022
- Year-round internship: Currently conducting qualitative and quantitative research on stealth coronae using SAR image and altimetry data collected during the Magellan mission to identify, map, and analyze the relationship between topography and fracture annuli with a specific focus on topographic rims within the fracture annulus
  - Secondarily working to use results of research on stealth coronae as a foundation for composing a comprehensive coronae database to facilitate future work on both type 1 and type 2 coronae
- Field Research Assistant – UCLA GALE Lab – Advisor: Prof. Mackenzie Day** April 2021
- Aided in preparation of research project in Ibex Dune Field in Death Valley by weighing samples, placing and assembling experimental cubes of said weighed samples, placing sediment traps, and collecting data from weather stations
- Earth, Planetary, and Space Sciences Advising Office Assistant** September 2021 – June 2022
- Serve as the assistant to the Student Affairs Officer completing tasks such as assisting undergraduate students in the department with 2- or 4-year course plans, assisting in department course scheduling, and overseeing clerical tasks (e.g., filing, sorting, sending mail)
- Lab Assistant – UCLA SpinLab – Advisor: Prof. Jonathan Aurnou** February 2022 – August 2022
- Worked alongside fellow student researchers in the preparation and testing of Spike Lab software and methods to be utilized during future years of core computing course for geoscience students (EPSS 71)

AWARDS AND HONORS

- Deane Oberste-Lehn Summer Field Award** June 2021
- Awarded to undergraduate students in recognition of outstanding academic achievement to be used towards summer field work done during the required capstone course

## Dean's Honors List

- Fall 2018 | Spring 2019 | Spring, Fall 2020 | Fall 2021 | Winter 2022 | Spring 2022

## University of Texas at Austin Graduate School Fellowship

2022-2023

- 12-month fellowship awarded by the Graduate School to supplement cost of tuition, insurance, and stipend

## PRESENTATIONS

**Oral Presentation** – “Possible Subduction in North Eastern Astkhik Planum, Venus,” Caltech Student-Faculty Program Seminar Day, August 20, 2020

**Poster Presentation** – “A New Look at Stealth Coronae on Venus,” AGU Fall Meeting, December 15, 2021 ([Abstract #P35H-2220](#))

## ON CAMPUS INVOLVEMENT

### UCLA Bruin Day Speaker

April 2021

- Representative for UCLA Earth, Planetary, and Space Science department speaking to newly admitted students regarding my personal experiences as a student, courses offered in the department, and general fields within the department

### UCLA EPSS Student Organization

September 2020 – June 2022

- Organization that aims to bring together graduate and undergraduate students within the department as a means to foster a strong community with an abundance of resources, such as career-building workshops
- Served as the Undergraduate Representative and Undergraduate Curriculum Representative during 2020-2021 academic year

### UCLA Women in Physical Sciences

September 2020 – June 2022

- Encourages exploration into research opportunities and fields within various industries of interest while also establishing a space for mentorship and networking in the larger UCLA physical science community

### UCLA EPSS Family Mentorship Program

September 2021– June 2022

- Organization that groups senior-level and junior-level graduate students and upper- and lower-division undergraduate students to create families with individuals in various stages of their academic career who connect, share, and learn from each other in various capacities
- Currently serving as an Officer for 2021-2022 academic year

### UCLA Academic Supports Program Intern

March 2019 – June 2019

- Served as intern in the Afrikan Student Union's Academic Supports Program in which we worked to strengthen our leadership and collaboration skills, educate ourselves regarding campus activism history, and create safe peer counseling spaces for students involved in the program

## WORK EXPERIENCE

### City of Fontana – Community Services Assistant

May 2018 – November 2018

- Planning and executing marketing opportunities within the community through the use of Microsoft Office software

- Communicating and interacting with the community to inform them of various activities offered through the city, along with enrollment into these activities

**ASUCLA The Market** – Senior Student Supervisor

October 2018 – September 2021

- Oversee the supervisory and customer service staff to ensure the effective completion of work duties and guarantee of comfortable work environment
- Communication, planning, and scheduling of student staff during necessary work hours
- Liaison between full-time career staff and part-time student staff

### SPECIALIZED SKILLS

Computer Skills: Proficient in ArcGIS, Python, Matlab, Adobe Illustrator, Acrobat, Microsoft Word, Excel, PowerPoint

Languages: French – Beginner Speaker, Reader, and Writer, Novice Listener  
Korean – Beginner Speaker, Reader, and Writer, Novice Listener