

# Garrett Marshall Wolff

PHONE: (719)-534-3892 EMAIL: [contact@planetgarrett.com](mailto:contact@planetgarrett.com)

## EDUCATION

---

### University of Colorado Colorado Springs

- B.S. Physics, Magna Cum Laude
- Includes coursework in Geology and Java

### San Jacinto Community College

- A.S. Mathematics
- A.A. General Studies

## RESEARCH

---

### Lunar and Planetary Institute - Summer Intern

June 2022 - Aug 2022

- Used multiple high-resolution datasets to analyze the morphology, physical and compositional characteristics, age, and potential origins of Irregular Mare Patches (IMPs) with Dr. Julie Stopar.
- Utilized PDS to access LROC NAC, LRO MRF, Kaguya, and Clementine datasets that covered relevant features.
- Converted data files to useful formats using ISIS, Bash, and gdal for use in ArcGIS.
- Presented results in an abstract and orally at the LPI Intern Conference.

### University of Colorado Colorado Springs - Independent Study

Jan 2021 - May 2021, Jan 2022 - May 2022

- Worked with Dr. Sam Millazzo, Dr. Allan Treiman, and Professor Heather Dalton in an independent study course (PES 9300).
- Identified a previously unrecognized artefact in Magellan SAR data that could be mistaken for aeolian features. Presented findings in an abstract and poster at VEXAG 2021.
- Analyzed the geomorphology and geographic setting of a Venusian channel in the Ix Chel Chasma Quadrangle. Additionally, produced a contour map from JMARS data using Python that helped reveal a topographic feature.

## PUBLIC OUTREACH

---

### Psyche Inspired - Copper Class Intern

Aug 2021 - May 2022

- Produced four large projects including an infographic, a 3D animation, a small illustrated book, and an interactive Three.js website meant to communicate the science behind NASA's and ASU's Psyche Mission.

# Garrett Marshall Wolff

PHONE: (719)-534-3892 EMAIL: [contact@planetgarrett.com](mailto:contact@planetgarrett.com)

## **Lunar and Planetary Institute and Pasadena Library**

June 29, July 21, and July 27 2022

- Helped run activities meant to encourage interest in science and educate the public about space-related topics. Worked primarily with elementary-age children and parents.
- Discussed why and how to get an internship such as the LPI summer program with fellow interns to an audience of high school to undergraduate students in an online seminar (July 21).

## **San Jacinto College - Community Science Events**

Once per semester, 2016-2017

- Staffed a telescope to educate members of the community about topics in astronomy. Audience included a wide range of ages and backgrounds.

## **NON-ACADEMIC**

---

### **Scientific Illustration**

2016-Present

- Produce illustrations for college-level science courses to communicate complex topics and generate interest in STEM.

### **UCCS Campus Recreation - Marketing Assistant with Creative Emphasis**

May 2019 - Aug 2022

- Remotely illustrated and designed print and digital promotional materials to communicate clearly and effectively with students.
- Worked closely with faculty and staff to ensure quality of materials.

### **San Jacinto College - Specialty Lab Assistant I**

Jan 2017 - Aug 2017

- Prepared chemicals and solutions for safe use in a classroom laboratory setting.
- Collaborated in a multicultural environment with school staff, lab personnel, and students to ensure classes went accordingly.
- Independently organized the collection of minerals and other geologic samples for ease of access.
- Set up telescopes for class and outreach use.
- Handled testing materials and other documents with caution to preserve confidentiality.

## **REFERENCES**

---

### **Heather Dalton**

[heather.dalton@sjcd.edu](mailto:heather.dalton@sjcd.edu)

### **Allan Treiman**

[treiman@lpi.usra.edu](mailto:treiman@lpi.usra.edu)