

MIRA TERRY

CONTACT

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949-606-4165
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SKILLS

Mechanical Design
Matlab programming
Arduino C programming
Python programming
Microsoft Word and Excel

Aesthetic Design
Adaptable Problem Solving
Clear Communication
Conflict Resolution
Client / Patient Advocacy
Personal Care

ACCOMPLISHMENTS

Eccles Distinguished Scholarship
Athletic Awards, Varsity Cycling

CERTIFICATIONS

- Certified SOLIDWORKS
Associate in Mechanical Design
- Basic Life Support / CPR

PROFILE

Driven and curious engineering student with a strong math foundation and a personal background in art and design. Highly attentive to detail and consistently able to propose alternate solutions to problems. Strong writing and communication skills. Experience with Matlab, C, and Python languages, Microsoft Excel, and Solidworks.

EXPERIENCE

May 2024–Present

Undergraduate Researcher, Multiscale Mechanics & Materials Lab, Salt Lake City, UT

- Independently learned Python programming and version control
- Verified and revised previous work on the void descriptor function for additively manufactured metals

May 2023–August 2023

24/7 Hospice Caretaker, Heber City, UT

- Provided compassionate care, assisting with daily tasks such as meal preparation, out-of-house errands, and personal grooming.
- Managed dosage schedules for up to 10 different medications at a time.
- Consistently and firmly advocated for patient's needs and preferences when faced with decisions regarding care.
- Coordinated visitation schedules for patient's friends and family, and planned recreational events for patient, prioritizing social engagement and wellbeing.
- Monitored and maintained cleanliness and organization of service areas.
- Scheduled and accompanied patient to medical appointments.
- Recorded vital signs and maintained accurate records of activities and incidents in order to closely communicate with medical providers.
- Remained alert to new needs and health problems, and competently responded.

August 2017– June 2022

Volunteer, Park City High School Extracurricular Programs, Park City, UT

- Assisted with special events for school programs including the orchestra, choir, gay-straight alliance, elementary school arts program, and mountain biking team.
- Mentored new volunteers, fostering a supportive and inclusive team environment.
- Contributed to successful fundraising efforts.

July 2021–October 2021

Team Captain, Park City Schools Mountain Bike Team, Park City, UT

- Personally mentored new team members to foster a culture of lifelong health and love for the sport.
- Led and navigated group rides, held responsibility for the safety and morale of teammates.
- Promoted environmental stewardship among athletes by teaching trail etiquette and responsible outdoor practices.
- Provided hands-on assistance with fundraising initiatives, supporting expansion of team events and resources.
- Modeled dedication to personal improvement through consistent training and good sportsmanship.

June 2021 - July 2021

Mountain Bike Camp Coach, Young Riders Mountain Bike Program, Park City, UT

- Led groups of children safely through wilderness group rides and skill-building activities.
- Managed all unexpected circumstances on the trail, including mechanical and medical issues.
- Enhanced camper engagement by providing hands-on learning experiences.
- Established a positive camp culture by enforcing rules fairly, consistently, and respectfully.
- Supported camper success with individualized attention, adapting activities to meet diverse needs and abilities.

EDUCATION

Expected in May 2027

Bachelor of Science Mechanical Engineering

University of Utah Honors College, Salt Lake City, UT

Current GPA: 3.97

June 2022

High School Diploma

Park City High School, Park City, UT

Unweighted GPA: 3.94