Megan Ostlie

(801) 589-0602 ♦ megostlie@gmail.com

EDUCATION

Bachelor of Science in Computer Science **Expected April 2025**
University of Utah – Salt Lake City, UT
- **Emphasis**: Artificial Intelligence, Machine Learning

Bachelor of Science in Sports Medicine **April 2016**
Pepperdine University – Malibu, CA
- **Honors:** Magna Cum Laude

EMPLOYMENT

Laboratory and Field Technician **December 2021 – Present**
Department of Atmospheric Sciences – University of Utah, Salt Lake City, UT
- Maintain numerous scientific instruments between two Atmospheric Science laboratories to ensure consistent and reliable data collection
- Maintain nine field sites containing greenhouse gas instrumentation throughout Northern Utah to ensure continued functionality of the nation's longest-running urban greenhouse gas observation network
- Write R scripts to perform quality control analysis on all data collected to verify that data is accurate
- Write HTML and Javascript code to maintain research group's website (lair.utah.edu)
- Provide technical instrumentation and data quality support for Storm Peak Laboratory in Steamboat Springs, Colorado

Data Processing Representative **February 2019 – December 2021**
Client Services – UHEAA, Salt Lake City, UT
- Maintained accurate records of all monetary transactions performed to ensure appropriate use and utilization of state and federal funds

Research Technician **June 2016 – February 2019**
Department of Radiology – University of Utah, Salt Lake City, UT
Neuroimaging and Biotechnology Laboratory
- Managed laboratory projects to monitor completion and accuracy of experimental details to maintain records of all experiments
- Performed laboratory experiments and collected data to research the behavioral and molecular effects of traumatic brain injury and spinal cord injury

SOFTWARE PROJECTS

Simulation Software for General Chemistry Lab **December 2023**
- Worked with a team to develop software that simulates a general chemistry lab where students can virtually mix chemicals and observe their reactions

Learning Management Database **April 2022**
- Wrote back-end database support for an online Learning Management System

SKILLS

- Java, C#, C++, C, Python, R, HTML, Javascript, SQL
- Database Management
- Machine Learning
- Artificial Intelligence
- Web Software Development