ZACHARY KENNEDY

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EDUCATION

Weber State University – College of Science   **Ogden, UT**
Bachelor of Science in Physics   *Class of 2023*
- Cumulative GPA: 3.4 of 4.0
- Minor in Computer Science

Weber State University – College of Science   **Ogden, UT**
Associate of Science in Mathematics   *January 2020 – April 2022*

WORK EXPERIENCE

Telescope Operator   **Ogden, UT**
Weber State University   *February 2021 – Present*
- Operate a remote, robotic telescope to take pictures of asteroids and stars.
- Perform aperture photometry on stars and asteroids using AstroImageJ.
- Analyze photometry data using Microsoft Excel and Python.
- Routinely maintain data archive with thousands of files of astronomical data.

NASA Mini-MSA Researcher   **Ogden, UT**
Weber State University   *January 2020 – April 2021*
- Assisted in design, testing, and evaluation of a miniature multi-sensor array (MSA) for flight operations, including to the edge of space.
- Appointed team lead on version 2 of the Mini-MSA
- Modified Raspberry Pi to work as a wireless access point and hosted a flask webserver for remote use of device.
- Programmed a Raspberry Pi to communicate with a GPS and Winsen sensor board via UART/SPI.

NASA L'Space Academy Mission Concept Intern   **Ogden, UT**
Arizona State University   *January 2020 –May 2020*
- Worked remotely in a team of 12 to write a hypothetical mission concept proposal for an unmanned mission to the Moon.
- Assisted in writing and creating a 100-page mission concept proposal document.
- Create a budget that stayed under $35 million or less for the mission.

RESEARCH

Exoplanet Habitability Research   **Ogden, UT**
Weber State University   *October 2020 –Present*
- Experience using a command line software to run 1D climate models of potentially habitable exoplanets.
- Created a one of kind python software that aids in the selection and processing of potentially habitable exoplanets.
- Used Python for analyzing and graphing data gathered from models.

SKILLS

Soft Skills: Organized, Written & Verbal Communication, Collaborative, Interpersonal Skills, Assertiveness

Computer: Proficient in Microsoft Excel, Word, PowerPoint. Keyboarding Skills

Programming: Python, C++, Java, JavaScript, HTML, CSS, R, GitHub collaboration

Data Analysis: Proficient in using Python or Excel for data analysis