

# Team Inventory Document

## September 29<sup>th</sup>, 2022

### USGS AirFlow Processing Pipeline

#### Team ARES



#### Sponsored By:

Trent Hare

#### Team Mentor:

Vahid Nikoonejad Fard

#### Team Members:

**Hunter Woodruff (Team Lead)**

Quinton Jasper

Chris McCorkle

Isiah Raspert

Richard McCormick

## **Overview**

This document is a comprehensive inventory of Team ARES. Here, each team member will be introduced, along with their backgrounds, education, skills, interests, and relevant vocational experience. By the end, a complete outline of the team and its capabilities will be outlined in a clear and concise manner, as it is relevant to the AirFlow Processing Pipeline project.

# Hunter Woodruff

**Major: Computer Science**  
**Hometown: Marysville, WA**  
**Team Position: Team Lead**



## Education:

**Campo Verde, Gilbert, AZ**

*Graduated 2019 with a 3.8 GPA*

**Northern Arizona Uni, Flagstaff, AZ**

*CS 476, CS 460, CS 386*

## Experience:

**Intern, Ecam Secure**

*May, 2020 - August, 2022 (Summers/Winter breaks)*

- System Administrator support

## Skills:

- **Time Management** - Early to everything
- **Persistent** - work until an optimal solution is found and deployed
- **Python** - By far my favorite language

## Interests:

Hiking, Gaming, Astronomy, learning new things, experiencing new things

# Quinton Jasper



**Major: B.S. Appl. Computer Sci;  
M.S. Informatics**

**Hometown: Flagstaff, AZ**

**Team Position: Lead Software Architect**

## Education:

**Northern Arizona University**

*2017-Present, 3.73 GPA*

CS 476 (2020), CS 560, CS 480, INF 511

## Experience:

**Bioinformatics Intern, TGEN North**

*June, 2018 - Dec, 2018*

- Assisted in the development of AZDHS Streptococcus B dashboard

**Team Lead, Capstone 2020**

*Aug 2020 - Dec 2020*

- Completed Pt. 1 of Capstone experience for Dr. Will Grundy at Lowell's Ice Lab

**Research Assistant, NAU SICCS**

*May 2022 - Present*

- Work with Dr. Morgan Vigil-Hayes at the CANIS lab; data collection and analysis; article co-author.

## Skills:

- **Writing** - Experience in document and article writing/formatting
- **Python** - Using Python to automate whatever you may need
- **Learning** - Figuring it out as we go

## Interests

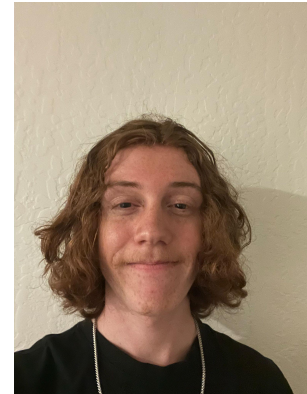
*Reading, working at the lab, learning new things, playing with the cat, and hiking!*

# Chris McCorkle

**Major: Computer Science w/ Minor in Math**

**Hometown: Temecula, CA**

**Team Position: Customer contact and programmer**



## Education:

**Great Oak High School, Temecula, CA**

*2019, 3.7 GPA*

AP Comp Sci Principles, AP Comp Sci A

**Northern Arizona University, Flagstaff, AZ**

*2023*

CS 480, CS 386, CS 105-305, CS 220

## Experience:

**Classroom ITS Support, NAU**

*August 2021 - Present*

- Work as a IT support assistant for classroom technology on campus

## Skills:

- **Problem Solving** - Experience in multiple leadership roles and interacting with people both professionally and personally
- **Communication** - Experience in both written and verbal professional communication
- **Back-end Development** - Experience in developing back-end architecture using SQL, API's, PHP, JS, and Java

## Interests:

Snowboarding, gaming, meeting new people, and enjoying the outdoors in any capacity

# Isaiah Raspet



**Major: Computer Science w/ minor in physics**

**Hometown: Fountain Valley, CA**

**Team Position: Backend Engineer**

## Education:

**Osan American High School, APO, AP (Republic of Korea)**

*2019, 3.86*

**Northern Arizona University, Flagstaff, AZ**

*2023*

*CS530, CS480, CS430, CS386*

## Experience:

**Undergraduate Software Engineer, MIRA**

*May 2021 - Jun 2022*

*Writing a few programs to explain and model a few quantum encryption protocols/principals*

**Undergraduate Research Assistant, PMI (Ladner Lab)**

*May 2021 - Present*

*Large scale bioinformatics work with highly serialized data*

## Skills:

- **C++** - Several Personal and Professional Projects
- **Systems/Architecture** - Much experience with large scale projects
- **Project Management** - Experience working with teams, getting the members familiar with tools and comfortable with the code base

## Interests:

Physics, music, gardening, breadmaking, mead brewing, cooking, backpacking

# Richard McCormick



**Major: B.S. Computer Science**

**Hometown: Flagstaff, AZ**

**Team Position: Recorder**

## **Education:**

**Northern Arizona University**

*2018 - 2023*

INF 414, CS 450, CS 499

## **Experience:**

**Student Programming Contractor, USGS**

*September 2021 - Current*

Legacy support, migration support, and data visualization for the GFSAD30 and GHISA projects.

**Student Systems Administrator Assistant, NAU ITS**

*February 2021 - September 2021*

Packaging, testing, and deploying software for students and faculty.

## **Skills:**

- **Python** - Personal, academic, and professional projects.
- **AWS** - Deploying and upgrading professional projects.
- **Novel Solutions** - Building unique solutions for unique problems.

## **Interests:**

Cooking, gardening, hiking, hunting, video games, and reading.