

Team Inventory

9/28/21



GeoSTAC

Sponsor:

United States Geological Survey (USGS)
Astrogeology Science Center

Mentor: Melissa Rose

Team Members:

Jacob Cain
Zachary Kaufman
Gavin Nelson
Amy Stamile

Overview: This team inventory document briefly introduces the members of our team. The following pages will outline the training, skills, and relevant experience of each team member.

Jacob Cain

Computer Science Major
Japanese Minor
Hometown: San Clemente, CA



Education:

San Juan Hills High School

San Juan Capistrano, CA

Saddleback Community College

Mission Viejo, CA

Nagasaki University of Foreign Studies

Nagasaki, Japan

Business

Northern Arizona University

Flagstaff, AZ

Software Engineering

Database Systems

Web

Work experience:

TrafFix Devices

San Clemente, CA

2016 to present

Graphic Design and Engineering Support Staff

Designed and produced informational documents for print and web, as well as photos and other graphics assets.

Nasa Space Grant

Flagstaff, AZ

08/2020 - 05/2021

Remote Sensing Intern

Used remote sensing to analyze the effects of hurricanes.

Skills:

- Design
 - I have experience in design from my work at TrafFix Devices. I am good at designing layouts to be useful and easy to understand.
- HTML/Web Frontend
 - I have used Web languages and libraries at NAU, in hobby projects, and occasionally for work. I can translate designs into interactive, user-friendly pages.

Other interests: I like the outdoors, exploring and maps. I also enjoy playing music and telling stories.

Zachary Kaufman

Computer Science Major
From Sammamish, Washington



Education:

Eastlake High School

Sammamish, Washington

Northern Arizona University

Flagstaff, Arizona

Software Engineering

Database Systems

Mobile Application Development

Work experience:

Schreiner Group LP:

Blaauvelt, New York

Software Engineer Intern

Developed Web Application for managing work order documentation.

Skills:

- Web Development: Experience from internship at Schreiner Group LP on both frontend, HTML/CSS/Javascript, and backend development, JSON and CSVs.
- Android App Development: experience in computer science classes from Northern Arizona University and Google development Classes using both Kotlin and Java.
- Java: In depth knowledge of java from multiple years of experience from school and experience from my internship at Schreiner Group LP.
- Github/Git: Experience with using Github/Git in personal projects and academic experience from software development class.

Other interests: Some of my interests include going on hikes with my dog. Playing video games when I have the free time and reading a good book.

Gavin Nelson

Applied Computer Science major
From Prescott, Arizona



Education:

Prescott High School

Prescott, Arizona

Yavapai Community College

Prescott, Arizona

Northern Arizona University

Flagstaff, Arizona

Software engineering

Network Security

Database Systems

Work experience:

United States Geological Survey (USGS)

Flagstaff, Arizona

02/2021 - current

IT Support Desk Technician

NAU CSA Functional IT Support

Flagstaff, Arizona

09/2019 - 04/2021

Functional Support Student IT Technician

Skills:

- Git/Github: Extensive experience with using Git/Github on not only a personal base but also academic and professional
- Python: In Depth skill base of Python the programming language for applications such as: Web Development, Backend logic, Networking, Automation Scripting
- Docker: Experience using docker to build various reliable and scalable programming projects that will run on any machine
- CI/CD: Experience with using Continuous Integration, Continuous Development CI/CD techniques to run various test's upon a code repository once changes have been pushed to the repository.
- Linux/Unix: Experience with using a Unix environment and tools for various development projects.

Other interests: My interests include almost anything related to computers, building custom machines, upgrading old machines, and even hacking together a decent pc from old parts. I also really enjoy writing various small scripts for automation of some daily things I do as well as scripts for games.

Amy Stamile

Computer Science Major
Mathematics Minor
From Norman, Oklahoma



Education:

Norman North High School

Norman, Oklahoma

University of Central Oklahoma

Edmond, Oklahoma

Degree: Business Administration with emphasis in Economics

Northern Arizona University

Flagstaff, Arizona

Computer Graphics

Software Engineering

Virtual Worlds

Work Experience:

United States Geological Survey (USGS)

Flagstaff, Arizona

12/2020 - Present

Software Developer

Develop imaging software for planetary science research community.

United States Geological Survey (USGS)

Flagstaff, Arizona

05/2020 - 12/2020

IT Support Desk Technician

Provide software and hardware technical support to the Astrogeology community.

Skills:

- Git/Github: Daily experience with using Git and Github through my USGS internship.
- C: extensively used in my Computer Graphics course as well as my Operating Systems course.
- C++: experience in my USGS internship with coding in the Integrated Software for Imagers and Spectrometers (ISIS) software.
- Google Tests: experience with writing Google tests for ISIS software.
- Javascript/HTML/CSS: worked with a group of 3 in my internship to implement a frontend web application utilizing React and Leaflet. Also gained experience in my Web Development course.

Other Interests: My interests include hiking and kayaking. I enjoy developing and playing video games. I also enjoy learning more about our solar system.