

Team Inventory

October 4th, 2023

Team IQ

Project Sponsor: Erika Konrad

Faculty Mentor: Igor Steinmacher

Team Members:

Logan Samstag (Team Lead)

Nicholas Persley

Kristiana Kirk

Elian Zamora-Rivera

Robin Pace

The purpose of this team inventory document is to briefly introduce the members of our team. The following pages briefly outline the training, skills, and relevant experience of each team member. We hope that this document will better assist our team in distributing work amongst team members, as well as provide an opportunity for our client to get to know us better.

Name: Logan Samstag
Major: Computer Science
Hometown: Kingman, Arizona



Education:

- **Lee Williams High School** (August 2016 - May 2020)
 - High school diploma
 - GPA: 4.0
- **Northern Arizona University** (August 2020 - Present)
 - Database Systems (CS 345)
 - Operating Systems (CS 480)
 - Artificial Intelligence (CS 470)

Experience:

- **No relevant experience for this project.**

Skills:

- **C and C variants**
 - Throughout my time here at NAU, I have learned a lot about C and its variants through a lot of use, in classes such as Computer Graphics and Operating Systems.
- **Python**
 - In my time in CS 470, I learned a lot about Python and some specific libraries, but the techniques I used to learn about the libraries can be applied fairly generally.
- **SQL**
 - During the course of CS 345, I learned how to use SQL for querying databases and how to use it to create databases.

Other Interests:

During my free time, I like to tinker with the hardware side of computers, and to look into new technology that seems interesting to me, such as a technological component for a car that somehow makes it run faster. I also like to program for more personal activities, such as modifying video games that I enjoy playing.

Name: Nicholas Persley

Major: Computer Science

Hometown: Saint Clair Shores, Michigan



Education

- **South Lake High School** (September, 2016 - June, 2020)
 - High School Diploma
 - GPA: 3.56
- **Northern Arizona University** (August 2020 - Present)
 - Computer Networking (CS 460)
 - Operating Systems (CS 480)
 - Web Programming II (CS 312)

Experience

- **Ecological Programmer - United States Geological Survey**
Northern Arizona University (April 2021 - Present)
 - Maintain and develop new features in Ecological simulation software known as SOILWAT2, STEPWAT2, and rSOILWAT2
 - Work with clients within The United States Geological Survey in Flagstaff to discuss specifications of the next program specifications
- **Teaching Assistant, Large-Scale Data Structures and Organization**
Northern Arizona University (October 2021 - April 2022)
 - Held weekly office hours to help graduate students with little to no programming experience
 - Translated computer science concepts into functioning software using various programming languages (C++, Python)

Skills

- **C and variants:** Working for The United States Geological Survey (USGS) has enhanced my proficiency in C with some C++, due to SOILWAT2 being in C and its tests being in C++
- **Git/GitHub:** My USGS job uses these technologies for version control mainly using the basics of them
- **Back-end:** Through Computer Networking, Web Programming II, Operating Systems, and experience creating a custom HTTP server in C, I have gained experience with back-end thinking/technologies

Other Interests

In my free time, I typically like to watch a movie or play a small variety of video games. However, if there has been an interesting topic on my mind, I will explore said interesting topic. These interesting topics may be from topics like computer science, mathematics, or physics.

Name: Kristiana Kirk

Major: Computer Science w/ minor in Cybersecurity

Hometown: Colorado Springs, Colorado



Education:

- **Colorado Early Colleges** (August 2017 - May 2021)
 - High school diploma
 - GPA: 4.63
- **Pikes Peak Stake College** (January 2018 - May 2021)
 - Associates of Science
- **Northern Arizona University** (August 2021 - Present)
 - CS 386: Software Engineering
 - CS 312: Web Design II
 - CS 345: Database Systems

Experience:

- **Student Technology Worker (Flagstaff, AZ)**
Northern Arizona University (August 2022 - Present)
 - Provide technical support to NAU students, faculty, and staff via phone, email, and chat.
- **Teaching Assistant (Flagstaff, AZ)**
Northern Arizona University (August 2022 - May 2023)
 - Grading CS136 - Computer Science II and CS249 - Data Structures weekly coding projects.

Skills:

- **Web Development:** I have created and maintained a personal website as well as many other projects built using REACT, HTML, CSS, and Javascript.
- **Troubleshooting/bug fixing:** I have taken several courses that have allowed me to learn how to find bugs and fix them as well.
- **Databases:** Experience with database systems mostly SQL and API's.

Other Interests:

I have always had a passion for technology. I have worked for ITS in some capacity since I am gaining a lot of valuable work experience during my time with ITS. I also have a passion for user experience. I love being creative and implementing those ideas into code.

Name: Elian Zamora

Major: Computer Science

Hometown: Flagstaff, Arizona



Education:

- **Coconino High School** (August 2014- May 2018)
 - High school diploma
 - GPA: 3.5
- **Northern Arizona University** (August 2020 - Present)
 - CS480 - Operating Systems
 - CS345 - Database Systems
 - CS386 - Software Engineering

Experience:

- **No experience for this project**

Skills:

- **C and C alternatives**
 - Being a student at Northern Arizona University has greatly expanded my knowledge in C and its alternatives.
- **Front-End**
 - CS212 taught me quite a bit about front-end and how it can work with some back-end development as well

Other Interests:

In my free time I like to play basketball, hangout with friends and mess with cars. I've always had a big interest in technology and it all started with taking things apart from getting a job as a repair technician of computers phones and tablets to now wanting to figure out how everything works as one (software and hardware).

Name: Robin Pace

Major: Computer Science

Hometown: Mesa, Arizona



Education:

- **Desert Ridge High School** (August 2016 - May 2020)
 - High school diploma
 - GPA: 4.2
- **Northern Arizona University** (August 2020 - Present)
 - CS480 - Operating Systems
 - CS386 - Software Engineering

Experience:

- **Teaching Assistant Supervisor (Flagstaff, Arizona)**
Northern Arizona University (August 2023 - Present)
 - Read, interpreted, and polished code
 - Managed other teaching assistants and graders
- **Teaching Assistant (Flagstaff, Arizona)**
Northern Arizona University (August 2022 - May 2023)
 - Taught code and coding standards

Skills:

- **C and C alternatives**
 - Being a teaching assistant and a student at Northern Arizona University has greatly expanded my knowledge in C and its alternatives.
- **Back-End**
 - CS 480 and CS 386 taught me a lot about back-end and specifically about how to work with front-end to avoid problems in the future

Other Interests:

Most of my free time is spent writing or world-building, and in general, I love puzzle games and video games. I enjoy storytelling and creative writing, and can get into any media if its world is unique. Other than that, one of my main hobbies is programming, as I like messing around with code and projects in my free time.