

Team Inventory

Date: February 6th, 2024

Team Name: FairyMander

Sponsor: Bridget Bero

Professor: Michael Leverington

Mentor: Vahid Nikoonejad Fard



Team Members:

Izaac Molina (Team Lead)

Dylan Franco

Jeysen Angous

Sophia Ingram

Ceanna Jarrett

Overview

The purpose of this document is to briefly introduce the members of our team in order to take inventory of the team's talents. The following pages briefly outline the training, skills, relevant experience of each team member, and the member's hobbies.

Name: Izaac Molina

Major: Biomedical Science and Computer Science

Hometown: Tucson, AZ



Education:

Marana High School, GPA: 4.0

Northern Arizona University, GPA: 4.0

Relevant Coursework: Software Engineering, Database Systems, Software Architecture

Experience:

Research Assistant - NAU Collaborative Computing Lab January 2024-Present

Working on EpiMoRPH, a NIH-funded modeling project focused on providing public health professionals with an automated method to define the spread of pathogens.

Tech Developer Intern - Sponsors for Educational Opportunity June 2023 - August 2023

Completed 300+ hours of rigorous computer science and software engineering training focused on data structures, algorithms, and full-stack web development using Python (Flask), MySQL, HTML, JavaScript, and CSS.

Teaching Assistant - NAU Computer Science I & II January 2023-December 2023

Collaborated with a team to teach a class of 100+ students computer science and programming by developing course materials and holding regular office hours.

Skills:

Languages

- C - through NAU coursework, namely CS136, 249, and currently 480
- Python - built web applications in Python in Tech Developer Internship, TA for CS126.
- JavaScript - helped build a React and Express web application for CS386.
- HTML & CSS - all previously described web applications, CS 212.
- SQL - Tech Developer Internship and CS386 projects all used SQL databases, CS345.

Tools/Frameworks

- Flask - web development framework for Tech Developer projects.
- Git/GitHub - used for all Tech Developer projects and CS386 projects.
- Linux - primary working environment for all dev purposes since May 2024.

Other Interests:

My main interests are listening to music, cooking up great meals, and playing video games.

Name: Dylan Franco

Major: Applied Computer Science

Hometown: Kula, HI



Education:

King Kekaulike High School, GPA: 3.5

Northern Arizona University

Relevant Coursework: Discrete Mathematics, Database Systems, Data Structures

Experience:

Workforce Management - Apria Healthcare June 2020-Present

Database management and utilizing workforce forecasting algorithms to properly manage workforce agent placement for efficient use of resources.

Skills:

Languages

- C - Used in Operating Systems.
- Python - Designed an automated messaging system for alerting purposes.
- Java - Used in Data Structures.
- SQL - Learned in Database Systems.
- Excel VBA - Used for work purposes.

Tools/Frameworks

- Git/GitHub - Learned in CS 305.
- MySQL - Learned in Database Systems.
- Excel - Used for work purposes.

Other Interests:

Baking, video games, autocross, continued education, personal programming projects

Name: Jeysen Angous

Major: Applied Computer Science

Hometown: Buckeye, AZ



Education:

Buckeye Union High School, GPA: 3.7

Northern Arizona University, GPA: 3.5

Relevant Coursework: Database Systems, Software Engineering, Software Architecture

Experience:

No relevant experience

Skills:

Languages

- C - knowledge was obtained through various courses at NAU including CS136, CS249, and CS480
- HTML & CSS - developed web applications, CS212 and CS386
- SQL - basic knowledge of SQL databases, CS345
- C# - basic knowledge obtained while implementing various games in Unity, CS413

Tools/Frameworks

- Git/GitHub - used for various projects mainly CS386 and CS413

Other Interests:

Some of my interests include watching sports, listening to music, and playing video games

Name: Sophia Ingram
Major: Applied Computer Science
Hometown: Surprise, AZ



Education:

Boulder Creek High School, GPA 3.71
West-MEC, GPA 3.75
Northern Arizona University, GPA 3.69

Experience:

SICCS Grader - NAU October 2022-February 2023

I was a grader for Intro to Digital Logic. I was able to develop a better understanding of circuits and digital subsystems.

ITS Service Desk & Tech Support - NAU February 2023-September 2023

Helped students and faculty with their technology issues using problem solving skills. Learned how to fix different software and hardware issues.

Research Assistant - NAU August 2023-Present

Working on implementing density peaks clustering using Cuda; also researching the different benefits of coding with CPUs and GPUs.

Skills:

Languages:

- C - learned the basics of C in CS249, continuing to learn C through CS480 and work
- Cuda - learned the basics of Cuda through work, still expanding my knowledge of the language
- C++ - Learned the basics of C++ in CS396
- HTML, CSS - Learned the basics of these languages in a web development class
- Assembly - I have some assembly knowledge through CS200 and EE215

Tools/Frameworks:

- GitHub - Have used GitHub for multiple courses at NAU

Other Interests:

Some of my hobbies include reading, drawing, snowboarding, and tattooing. I have a passion for learning, I love gaining knowledge about anything and everything.

Name: Ceanna Jarrett
Major: Applied Computer Science
Hometown: Chandler, AZ



Education:

Great Hearts: Lincoln Preparatory Academy, GPA: 4.3

Northern Arizona University, GPA: 3.2

Relevant Coursework: Database, Software Engineering, Principles of Languages

Experience:

Grader - Computer Organization January 2023 - May 2023

Graded students' projects and worksheets. Tutored students in topics such as bits, logicism, and MIPS Assembly. Greatly improved debugging skills through analyzing student code.

Skills:

Languages:

- C++ - learned how to use C++ through CS396, and has a basic idea of the language.
- SQL - learned about how to manage a database through CS345
- PHP - learned how to connect a database to html using php through CS312
- HTML & CSS - over the years have elaborated the skill through CS 112, CS 212, and CS312
- C - learned algorithmics through CS249

Tools/Frameworks

- Git/Github - learned how to move and store code in GitHub through CS386
- Bootstrap - framework for fronted, HTML and CSS, for a website for CS386
- Mysql - learned how to work around this program to create a database manually in CS345
- JQuery - learned the basic of it to learn how to do integration for the project a website that was connected to a api in CS386

Other Interests:

My interests are watching rom-com movies, dancing, and building legos.