Team Inventory

September 24, 2021

Team Biosphere

Project Sponsor: Jenna Keany, Christopher Doughtry
Team Mentor: Melissa D. Rose
Team Members: Matthew Nemmer, Brandon Warman, Teng Ao, D'yanni Bigham

Overview

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.

Matthew Nemmer

Major: Computer Science
Hometown: Phoenix, AZ

Education
High School: North Canyon High School
College: Northern Arizona University
- CS 386: Software Engineering
- CS 345: Database Systems

Skills
- Numerical Analysis
    - Experienced applying mathematical concepts to computational problems. This includes the creation of simulation software and solving complex physics problems.
- Embedded Systems Development
    - Use of microcontrollers and low-level programming.
- C Programming
    - Extensive use of C language for many personal and school related projects.

Interests
- Engineering
- Video Games
- Snowboarding & Skateboarding

D'Yanni Bigham

Major: Applied Computer Science
Hometown: Phoenix, Arizona

Education
High School: University High School
College: Northern Arizona University
- CS 386: Software Engineering
- CS 460: Computer Networks
- CS 345: Database Systems

Work Experience
- ITS IoT Student Programmer
  - Create the MongoDB collections that our web application depends on
  - Used the Node.js Mongo driver to connect web application to database
  - Develop an API to connect client to server

Skills
- JavaScript
  - Language that is being used for current work project. I've gained professional experience with this language for the past 4 months. However, I've been using Javascript for a year.
- MongoDB
  - Database software currently being used at work. I've been using this professional for the past 4 months. I am comfortable using NoSQL databases.
- Express/Node.js
  - These are the backend technologies that are currently being used at work. I've been using it professionally for the past 4 months. I am comfortable with it, but still lacking some design fundamentals.

Interests
- I enjoy a good hike
  - Northern Arizona offers some beautiful trails and it's such a relaxing experience to take the day to hike them
- I enjoy video games
  - I love playing open world games as these games usually have an immersive atmosphere that I can just vanish in for a few hours.
- I love my cat
  - My cat has been a good companion to me these last few years. Especially during the covid lockdown.

Brandon Warman

Major: Applied Computer Science
Hometown: Phoenix, Arizona

Education
High School: Desert Mountain High School
College: Northern Arizona University
- CS386: Software Engineering
- CS465: Distributed Systems
- CS470: Artificial Intelligence

Work Experience
- Leasing Intern - Fremont Station
  - Use of large complex data sets for analytics and automation.

Skills
- Python
  - Most of my work and side projects I've made have been in Python such as image classification models, data analytics, and API integration for the past 4 years have been created using Python.
- Mobile App Development
  - Developing Android applications in High School that used GPS data to automatically silence and respond to incoming texts/calls when the app knew I was driving.

Interests

- I am interested in automation
  - If I notice a part of my life or job is commonly repeated I will automate the task to improve my efficiency.
- I am interested in the outdoors
  - Camping, hiking, and fishing are my main interests in the outdoors but enjoy almost every type of outdoor activity including winter sports.
- I am interested all aspects engineering
  - Aside from software engineering, I enjoy learning about mechanical, environmental, and civil engineering to expand my knowledge.

Teng Ao

Major: Computer Science and Communication Engineering
Hometown: Huhhot, China

Education
High School: Huhhot the Second High School
College: Northern Arizona University
- CS 345: Database Systems
- CS 386: Software Engineering
- CS 460: Computer Networks

Work Experience
Grader for CS249 -- Northern Arizona university

Skills
Python-
Java-
UI design-
Database-

Interests
- I have interests in coding and creating some things.

      I am majoring in Communication Engineering and Computer Science both and I study in two different colleges that makes me understand the code much better. Both in Chinese and English. And also I love Computer Science as my main major as well.

- I like Engineering stuff.

      Usually I always DIY something like a knife , wheels, and sword. And If I do not choose Computer Science as my major, I will choose Engineering as my major.

- I have interests in management.

      I like to organize everything and let them be setted in a high efficiency position. And I will also major about management in my master degree.

- I like to do sports and Motorcycling.

      I was a sport when I was in high school, and won lots of prizes in Snowboarding and table tennis. Right now I don't have enough time to do sports very often but also work out every week.