



S.A.R.C.I

Assignment Title: Team Inventory

Date: 9/30/2021

— Team Mentor: Han Peng

Group Members: Dylan Woolley, Vidal Martinez, Randy Durinck, Jabril Gray

Team Sponsor: General Dynamics Mission Systems

Contact Information

Han Peng: hp263@nau.edu

Dylan Woolley: (Team Lead): dsw235@nau.edu

Vidal Martinez: (CC) vrm55@nau.edu

Randy Durinck: (CC) rkd56@nau.edu

Jabril Gray: (CC) jng238@nau.edu

Overview: The purpose of the team inventory document is to briefly introduce the team members. The following pages briefly outline education, skills, and relevant experience of the team members.

Biographical Information:

Name: Dylan Woolley

Major: Computer Science

Minor: Math

Education:

North Canyon High School

GPA: 3.93 (Unweighted)

Northern Arizona University

GPA: 3.89 (Senior Year)

Relevant Courses:

CS480: Operating Systems.

CS408: Field Work Experience. Planning, building, and implementing middleware.

CS345: Principles of Database Systems.

Work Experience:

Northern Arizona University ITS Student Employee (Since May 2020)

- Built chatbot using Dialogflow software
- Planned way to connect Dialogflow with Peoplesoft and Servicenow using API's
- Implemented middleware to connect Dialogflow with Peoplesoft and Servicenow

Skills:

Github: Work with Github through command-line.

DevOps: Work with DevOps through Web GUI.

CI / CD (Continuous Integration / Continuous Deployment): Experience working in a simplified version of CI / CD environment.

C / C++ / C#: Mainly C & C++ through School & work experience but C# through school & personal projects.

Visual Studios: Development using MVC in ASP.net core 5 from work experience.

Database: Experience with designing and using DB from CS345 & work experience.

REST APIs: Experience with using API and connecting API services from work experience & personal projects.

Other Interests:

I am interested in longboarding, rock climbing, and playing guitar.

Biographical Information:

Name: Jabril Gray

Major: Applied Computer Science

Education:

Youngker High School

GPA: 3.00

Northern Arizona University

GPA: 3.00 (Senior Year)

Relevant Courses:

CS 386: Software Engineering.

CS 480: Operating Systems.

Skills:

Software Architecture: Experience developing software through CS 386 at NAU.

Operating Systems: Familiarity using both Linux and Windows operating systems from NAU courses.

Programming Languages: Intermediate knowledge with Python, Java, Matlab, and C from NAU courses.

Other Interests:

I have an interest in sports and fitness. I am a pledge of Theta Chi. I also enjoy watching movies and playing video games in my free time.

Biographical Information:

Name: Randy Duerinck

Major: Applied Computer Science

Education:

Benson Unified High School

GPA: 3.8

Northern Arizona University

GPA: 3.39

Relevant Courses:

CS 465: Distributed Systems.

CS 480: Operating Systems.

CYB 404: Network Security.

Skills:

Computer Networking: Some networking knowledge through CS465 and high school Networking class.

Operating Systems: Linux and Windows familiarity from CYB404 and previous knowledge.

Programming Languages: Intermediate knowledge of Python, Java, Matlab from experience at NAU.

Fast typing: Typing speed - words per minute.

Other Interests:

I am interested in playing piano and guitar, and I enjoy spending my free time skateboarding.

Biographical Information:

Name: Vidal Martinez

Major: Computer Science

Education:

Glendale Community College

GPA: 3.90

Northern Arizona University

GPA: 3.28

Relevant Courses:

CS 345: Database Systems.

CS 386: Software Engineering.

CS 480: Operating Systems.

Work Experience:

Internship at the Pathogen and Microbiome Institute (Since May 2020)

- Developing an open-source software framework in C++ for work in bioinformatics and computational biology.
- Design and implement algorithms for efficient analysis to comprehensively determine an individual's history of exposure to viral pathogens.
- Extensive module testing and data analysis primarily by unit testing and integration testing.

Skills:

GitHub and Git: Experience using GitHub and Git from CS 386 and internship experience.

C and C++: Primarily C++ experience from the internship, but have worked in C for both the internship and multiple NAU courses.

Database: Some understanding and experience with SQLite and database system concepts from CS 345 experience.

Other Interests:

Interest in game design, 2D/3D art and animation, music, guitar, and soccer. Learning Japanese in free time as well as learning the Go programming language and playing around in an open-source engine "Atomic Game Engine".