



Team Inventory

September 21, 2017

Sponsor: Harlan Mitchell, Sys. Tech. Manager

Honeywell Aerotech

Mentor: Austin Sanders

Project Members:

Emilio Sifuentes

Rex Rogers

Josh Baker

Summer Stapleton

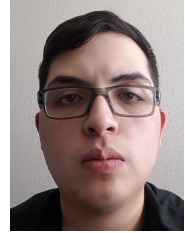
Overview:

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.

Emilio Sifuentes

Hometown: Peoria, Arizona

Major: Computer Science



Education

High School

- Raymond S. Kellis High School
 - Graduated with a 3.9 GPA

College

- Northern Arizona University
 - Senior year of Undergraduate
 - Notable Courses
 - Databases, Data Structures, Computer Ethics, Software Development, Algorithms

Work Experience

- None Available

Skills

Data Handling

- Firm grasp on the ability to handle data in structures and databases

Project Development

- Solid grasp on the development of software

Technical Documentation

- Solid understanding on technical documentation

Other Interests

I have been looking to expand my experience as a programmer outside of the university since I have never really gone very far out of it. I have always enjoyed data analysis and handling large amounts of data with the programming skills I have developed.

Rex Rogers

Hometown: San Diego

Major: Computer Science, B.S.



Education

High School

- Rancho Bernardo High School
 - Graduated with a 3.8 GPA

College

- Northern Arizona University
 - Currently in my final year of my Computer Science B.S.
 - Notable Courses
 - Operating Systems, Networking, Software Engineering, Algorithms
 - Automata Theory, Principles of Languages, Databases
- Palomar Community College
 - Introductory Computer Science course work
- University of California, Santa Barbara
 - Three years as a Biology student
 - Notable Courses
 - Organic Chemistry

Work Experience

Student Programmer for NAU: Oct. 2016 - Present

- Creating web tools that interact with the database for admin management
- Maintaining the school websites

Skills

Networking

- Solid grasp of UDP and TCP protocols from Networking and Distributed Systems classes

Web Development

- Good grasp of CSS, HTML, and JavaScript obtained through my job

Databases

- Firm understanding of SQL from both job experience and database coursework

Other Interests

I personally am interested in learning more about artificial intelligence. Today's world is leaning more and more on automation and artificial intelligence seems to be the key to generalized automation, which is the major goal for the immediate future.

Josh Baker

Hometown: Edmond, Oklahoma

Major: Bachelor of Science in Applied Computer Science



Education

High School

- Edmond North High School
 - Graduated with a 3.25 GPA

College

- Northern Arizona University
 - Senior in BSACS program
 - Notable Courses
 - Operating Systems
- Kansas State University
 - Introduction to Computer Science courses
- Northern Oklahoma University
 - Associates in Arts and Sciences
- Oklahoma State University
 - Private Pilot Certificate

Work Experience

Army National Guard: 2009 - 2016

- Communications specialist during Operation Enduring Freedom 2012-2013
 - Responsible for installing, maintaining, and troubleshooting communications equipment and Blue Force Tracker systems in platoon vehicles.

Skills

Data Structures

- Understanding of various data structures from classes taken at Northern Arizona University.

Linux/Unix Systems

- Used extensively in Operating Systems and Parallel Programming classes as well as experimentation at home.

Document Design

- Work experience formatting and providing professional documentation

Other Interests

I have an interest in virtualization of systems and continue to experiment with virtualization in my home server lab. I also have an interest in parallel programming and optimizing programs for multi-core systems.

Summer Stapleton

Hometown: Cottonwood, AZ

Major: Bachelor of Science in Computer Science



Education

High School

- Mingus Union High School

College

- Northern Arizona University
 - Current senior in the BSCS program
 - Notable Courses
 - Automata Theory, Algorithms, Technical Writing, Introduction to Intelligent Systems, Database Systems, Principles of Languages

Work Experience

Student Contractor for the Astrogeology Department of USGS: June 18, 2017- Present

- General software maintenance/bug fixes/scientist requests
- Creating and maintaining internal/external documentation
- Version control including deciphering log files
- Cross-platform implementation of software

Lab Aide for NAU Engineering Department: August 2016 - May 2017

- Oversaw labs for lower-level engineering students
- Responsible for understanding and grading students' source code

Skills

Languages

- Working knowledge of both Java and C++ from classes and job experience, fairly competent in Python, less experience with a number of other languages

Version Control

- Decent understanding of the mechanics of version control with job experience in Subversion and course experience with GitHub

Make Systems

- Very general understanding of make systems with experience in GNU Make and (fresh, yet minimal) experience in CMake, both from work experience

Application Architecture

- Moderate experience with general software architecture including directory structure and implementation from work experience

Other Interests

I have certainly not narrowed-down where I would like to have my focus as a Computer Scientist, and so am always wanting to explore. I do have general interests in hardware/software integration, network systems/security, machine learning, and, more recently, quantum computing.