



Team Inventory

September 29th 2016

Five Pixels

Sponsor:

Joy Knudsen

Faculty Mentor:

Dr. Mohamed Elwakil

Team Members:

Brandon Garling

Xiangzhi Cao

Matthew Nielsen

Mohammad Alsobhi

Clarissa Calderon

Overview

The purpose of this Team Inventory document is to briefly introduce each team member. The following pages outline the training, skills, and relevant experience of each team member.

Name: Brandon Garling
Major: Computer Science
Hometown: Show Low, Arizona
Education:



- Show Low High School, 4.1 GPA
- Northern Arizona University, 4.0 GPA
 - CS 301 - Computers and Society
 - CS 315 - Automata Theory
 - CS 345 - Principles of Database Systems
 - CS 386 - Software Engineering
 - CS 396 - Principles of Languages
 - CS 460 - Computer Networks
 - CS 480 - Operating Systems

Work Experience:

- Student Worker at Northern Arizona University
 - Worked on the Systems Integration and Architecture (SIA) team contributing to general bug fixes to software tools, security fixes including Cross Site Request Forgery (CSRF) prevention, as well as contributing to in-house DNS tools.
- Programmer at American Express
 - Worked on the Global Network Operations Center (GNOC) team contributing to an inhouse Web 2.0 portal application that integrates a variety of other inhouse tools in one central location.

Skills:

- Setting up and maintaining websites
 - Self taught after much research and trial and error, this includes understanding how to work with Linux to setup a web server (Nginx, Apache, NodeJS) as well as how to maintain a secure Linux server.
- Designing secure websites
 - Learned during my time at NAU and AMEX, this includes implementing technology such as: HTTPS encryption, anti CSRF tokens, server and client side input validation.
- Javascript proficiency
 - Obtained during my time at AMEX and during my work in CS 386, this includes working with and setting up: React, AngularJS, Javascript ES6, WebPack.

Other Interests:

- Teaching people something new and working with them until they understand it.
- Computers in general including: video games, learning something new regarding computers or a new programming language.
- Traveling to new and interesting places and meeting new and interesting people.

Name: Matt Nielsen

Major: Computer Science

Hometown: Tucson, Arizona

Education:

- Northern Arizona University, 3.4 GPA
 - CS 301 - Computers and Society
 - CS 315 - Automata Theory
 - CS 345 - Principles of Database Systems
 - CS 386 - Software Engineering
 - CS 396 - Principles of Languages
 - CS 399 - Mobile App Development
 - CS 413 - Virtual Worlds
 - CS 460 - Computer Networks
 - CS 480 - Operating Systems



Work Experience:

- Northern Arizona University Veteran Success Center
 - Assist student veterans and their dependants with admission, retention, graduation and professional success.
- Associated Students of Northern Arizona University, Senator
 - Represent the voices and intent of the student body in all matters at the university level and beyond.

Skills:

- Proficient in most languages pertaining to web applications, such as HTML, CSS, PHP, JavaScript and SQL.
 - These skills were obtained from many web-based NAU Courses such as CS 212, 386 and 413.
- Excellent team player: Meets deadlines as well as shows a proficiency in leading and following.
 - These skills were obtained throughout my life, mainly during the 6 years serving in the US Military.

Other Interests:

- I have interests in traveling. My 'next' destination is always somewhere I haven't been before.
- Learning in general, whether it be obscure facts I will never use again or different skills that will improve the future.

Name: Mohammad Alsobhi

Major: Computer Science

Hometown: Jeddah, Saudi Arabia

Education:

- Otbah Bin Qazian High School, 97%
- College of Technology at Yanbu 4.12 GPA
- Northern Arizona University, 3.05 GPA
 - CS 301 - Computers and Society
 - CS 345 - Principles of Database Systems
 - CS 386 - Software Engineering
 - CS 396 - Principles of Languages
 - CS 399 - Mobile App Development
 - CS 460 - Computer Networks
 - CS 480 - Operating Systems



Work Experience:

- College of Technology at Yanbu
 - Basic office skills.
 - Assisted student with programming and software questions.
 - Help maintained college website.
 - Member of the CSY -Computer society of Yanbu
- Saudi Aramco, KSA
 - Worked as a Data Entry Operator (Part-time).
 - Sorting the relevant data, feeding the data in the Excel sheet and generating the reports as per the requirement.

Skills:

- Programming Languages
 - Python were practiced in CS 126 & CS 136.
 - HTML, CSS, JavaScript and PHP were practiced in CS 212 & CS 386.
 - Java were practiced in CS 249.
 - C language in CS 480
- Database Systems
 - CS 212 (Web Programming).
 - CS 345 (Principle of Database Systems).
 - CS 386 (Software Engineering).
- Technical Support
 - Technical support certificate from College of Technology at Yanbu.

Speak & write language:

- Arabic
- English
- Turkish

Other Interests:

- Entrepreneurship, traveling, volunteering, running, learning languages, music and poetry.

Name: Clarissa Calderon

Major: Applied Computer Science

Hometown: Phoenix, Arizona

Education:

- McClintock High school
- Mesa Community College
- Northern Arizona University
 - CS 345 Principles of Database Systems
 - CS 386 Software Engineering
 - CS 480 Operating Systems
 - ENG 302W Technical Writing
 - VC 329 Typographics I
 - VC 331 Graphics Design I
 - VC 351 Interactive Design I



Work Experience:

- No Technical related experience
- Translated a script used by ASU for a Psychology video.

Skills:

- Designing and planning - Obtained in NAU, CS and VC classes.
- Proficient using Windows, experience with OS X - Obtained in NAU.
- Familiar with C, MATLAB, Microsoft Office Suite, Python, Java, SQL - Obtained in NAU and Mesa Community College.
- Experience with Adobe Illustrator - Obtained in NAU.
- Technical writing and creating instructions - Obtained in NAU and Mesa Community College.
- Typography- Obtained in NAU.
- Currently I'm learning JavaScript, web development, and computer networks - CS 212, CS 460.
- Fluent in Spanish - Obtained in elementary school , secondary school, and high school, family also speaks it.

Other Interests:

- My biggest passion is Astronomy, I like reading theories about space and the Universe.
- I grew up playing video games and to this day I still play a wide variety of games.

Name: Xiangzhi Cao

Major: Computer Science

Hometown: Xi'an, China

Education:

- Xi'an Senior High School
- Northern Arizona University, 3.71 GPA
 - CS 345 – Principle of Database Systems
 - CS 386 – Software Engineering
 - CS 396 – Principle of Languages
 - CS 599 – Large Scale Data Structures
 - MAT 316 – Linear Algebra
 - MAT 320w – Foundations of Mathematics
 - MAT 362 – Numerical Analysis



Work Experience:

- Grader at Northern Arizona University
 - Worked as a grader for MAT 316 (Linear Algebra) and MAT 226 (Discrete Mathematics) at Northern Arizona University.

Skills:

- Good Understanding of Database
 - Had good practice in CS 212 (Web Programming), CS 345 (Principle of Database Systems) and the project in CS 386 (Software Engineering).
- Learning Skill
 - The ability of learning something new is as important as using.
- Programming
 - HTML, CSS, JavaScript and PHP were practiced in CS 212 (Web Programming), and the project in CS 386 (Software Engineering).

Other Interests:

- Playing basketball
- Playing video games
- Learning computer languages
- Traveling