



Team Ceres

Team Inventory

September 12, 2020

Sponsored By: David Trilling, Michael Gowanlock

Team Mentor: Fabio Santos

Team Members: Javier Quintana, Joseph Sirna, Miles Barrios, Zach Messenger

Overview: The purpose of this team inventory is to briefly introduce the members of our team. The following pages briefly outline the training, skills, and relevant experience of each team member.

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Miles Barrios



Biography: I am a computer science major at NAU where I just started my senior year. I am originally from Phoenix, AZ. I took my first programming class in high school which is where my interest in Computer Science began. I currently work as an intern for State Farm and hope to continue my learning in web development.

Education: Desert Vista High School - GPA: 3.49

- Northern Arizona University
 - CS 386 - Software Engineering,
 - CS 345 - Principles of Database Systems
 - CS 399 - Advanced Programming

Work Experience:

- **State Farm - Ent. Tech. Intern (Infrastructure)** . Using open source software to track availability. Technologies include Elastic Stack, Selenium, Docker, Jenkins, and Kubernetes.
- **State Farm - Enterprise Technology Intern.** Developed a vscode webview extension in Javascript, HTML, and CSS that allowed developers to quickly make changes to one or more CSV folders.

Skills:

- **Front-End Web Development:** Participated in a 24 hour hackday project that developed a web application using React and REST to pull open merge requests. Internship with SF.
- **Agile Methods-** Internship provided me with skill of how to operate on a team using Agile Methods including using Scrum.

Other Interests: I spend a large amount of my free time outside enjoying the nature of Flagstaff, this includes mountain biking, snowboarding, and playing Disc Golf. However, I also enjoy playing games and recently started a personal project developing a website for myself using React.

Zach Messenger



Biography: I am a double major in computer science and mathematics entering my senior year at NAU. I was born and raised in Prescott, Arizona. I have had a love for all things computers since my first introductory class during my senior year of high school.

Education: Prescott High School - GPA: 4.0

- Northern Arizona University
 - CS 399 - Advanced Web Programming
 - CS 345 - Principles of Database Systems
 - CS 386 - Software Engineering

Work Experience:

- Apprentice Programmer - NAU. Gained experience creating front-end web applications that interact directly with NAU databases.
- Internship at Sidlinger Computer Corporation. Practiced engineering design concepts over various projects to gain applicable experience.

Skills:

- Data Analysis Methods: I have a math major specializing in statistics, and I have learned techniques to analyze real data sets as well as create programs in R.
- Front-end Web Development and Database Management: I have taken several courses on web development and database principles, and I gained experience through working with NAU as an Apprentice Programmer.

Other Interests: I have always been interested in topics surrounding both Mathematics, Physics, and Astronomy. Recently in my undergraduate career, I have been driven towards data science and learning statistical methods for analyzing data. Reading about this project really interested me because it seemed like an opportunity to expand my knowledge of both computer science and data science while working with real astronomical data.

Javier Quintana



Biography: I am a Computer Science major who has been involved in the program for 4 years now. I am from Chandler, Arizona and have lived in Arizona for my entire life. I have been involved with technology since I have been young and it has been a very important part of my life. I currently work full time with the Student Technology Center and I am hoping to complete my degree in these next coming semesters.

Education: Basha High School - GPA: 3.75

- Northern Arizona University
 - CS 386 - Software Engineering
 - CS 399 - Mobile App Development
 - CS 345 - Principles of Database Systems

Work Experience:

IT Support Analyst - Responsible for resolving student and faculty issues related to technology or NAU's learning management systems. Assist in student projects related to improving workflow in the STC.

Skills:

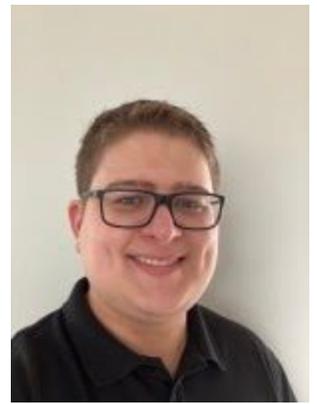
Mobile App Developer - Proficiency developing and publishing a mobile app for Android on the Google Play Store

Verbal/Written Communication - Proficiency communicating with customers and clients via written and verbal communication methods

Other Interests:

I have many interests outside of school and work but I enjoy creative writing the most. I spend time writing out stories that I would like to one day publish in order to help me become an author.

Joseph Sirna



Biography: I am a Computer Science major at NAU. I'm from La Habra, California originally, but have lived in Arizona for 4 years and love the Flagstaff area. I really enjoy solving complicated problems using industry techniques through my job.

Education: Servite High School, Anaheim CA. GPA: 3.45

- Northern Arizona University
 - CS386 - Software Engineering

Work Experience:

Allied Professionals Insurance Services - Software Engineer since 2016.

- Responsible for developing and maintaining a REST API written in C# to standardize policy and payment processing while being compatible with several web applications using different frameworks.
- Developed 2 web applications using C# and ASP.NET that call the above API to step through every part of the policy creation process.
- Project lead on a comprehensive SQL database for client application analytics, custom document production, and automated underwriting.

Skills:

- Proficient in C# and ASP.NET
- Proficient in T-SQL and experience managing SQL Server instances

Other Interests:

I enjoy working on small personal projects involving low-level programming in C and like working with Raspberry Pis in my free time.