



Team Andromeda

Team Inventory

September 25, 2019

Clients - Dr. Audrey Thirouin and Dr. Will Grundy

Mentor - Isaac Shaffer

Members - Matthew Amato-Yarbrough, Batai Finley, Bradley Kukuk, John Jacobelli and Jessica Smith

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.

Info

- Name: John Jacobelli
- Email: jpj46@nau.edu
- Major: Computer Science
- Hometown: Prescott, AZ



Education

- Prescott High School; 3.908 GPA
- Northern Arizona University
 - Relevant classes include:
 - CS 480 - Operating Systems
 - CS 386 - Software Engineering

Technical Skills

- Problem solving and learning
 - I learned how to attack problems from many perspectives in order to see the best option and to persevere through difficult issues. I also gained the ability to learn new topics quickly, whether that be a new coding language, using a new tool or program, or needing to know specifics about how a computer functions. The classes that have helped me most with this are CS 136 (Computer Science II), CS 249 (Data Structures), CS 460 (Computer Networks), and CS 480 (Operating Systems).
- Knowledge of programming languages
 - I gained a lot of exposure to several programming languages, including Python, Java, and C. I feel confident and comfortable in writing code in these languages due to the experience gained while working with them. Through this experience, I have also learned how to adapt to new programming languages and understand how they work. CS 126 and CS 136 (Computer Science I and II)
- Data management
 - This is a skill that I feel strong with. In CS 249 (Data Structures), we dealt with a lot of data handling and manipulation. I felt confident doing tasks that deal with data management
- Technical Documents
 - In ENG 302W (Technical Writing), I improved my ability to write clear, well formatted technical documents. My understanding of how to create such documents was extended in this class, and I am able to create professional documents that are concise and visually appealing.

Other interests

- I enjoy playing games a lot and like to spend a lot of free time playing them.
- Stargazing is a hobby of mine because I love space and find it extremely interesting.
- Throwing pottery is another hobby of mine. It's my strongest artistic area and I find it relaxing and enjoyable! I also really love plants and have upwards of a few dozen in my room.

Info

- Name: Jessica Smith
- Email: jls924@nau.edu
- Major: Computer Science
- Hometown: Sierra Vista, AZ



Education

- Buena High School; 3.1 GPA
- Northern Arizona University
 - Relevant classes include:
 - CS 480 - Operating Systems
 - CS 386 - Software Engineering

Work Experience

- Student Technology Center
 - I work in Linux, Windows, and Mac environments daily to provide technical support

Technical Skills

- Teamwork and Agile Development
 - I worked with a team of four to create a mobile application in CS 386 (Software Engineering) using the Agile Development Cycle. I also pair programmed creating Java, Python, and MATLAB programs for CS126L (Computer Science I), CS136L (Computer Science II), and CS122L (Programming for Engineering and Science)
- Programming Languages
 - I have an intermediate knowledge of C from CS 480 (Operating Systems), CS 200 (Intro to Computer Organization), and currently taking EE 222 (Intermediate Programming). I also have a working knowledge of Java and Python from CS249 (Data Structures) and early Computer Science courses.
- Website Development
 - I have a good knowledge of front-end and back-end development using HTML, CSS, JavaScript, Node.js, PixiJS, AngularJS, MongoDB, Express.js, PHP, and Electron from CS 399 (Advanced Web Programming) and currently taking CS 413 (Virtual Worlds).

Other interests

- I play Overwatch and stream on Twitch in my free time, also currently in a D&D campaign.
- I love music, dancing, and attending shows when I have the time and money. I also like to go hiking on the weekends.
- I enjoy reading fiction and non-fiction books; right now I am reading The Sword of Shannara as well as The Collapsing Universe.

Info

- Name: Matthew Amato-Yarbrough
- Email: mba75@nau.edu
- Major: Computer Science
- Hometown: Gilbert, AZ



Education

- Mountain Pointe Highschool; 3.7 GPA
- Northern Arizona University
 - Relevant classes include:
 - CS 480 - Operating Systems
 - CS 386 - Software Engineering
 - CS 345 - Principles of Database Systems

Technical Skills

- OS development in C
 - Last semester, I took CS 480 where I gained extensive knowledge of operating systems including process scheduling, memory management, input and output, and concurrency. I also learned how to program these aspects of OS management using C.
- Database management
 - Another course that I have taken at NAU is CS 396. During the course, I was taught the basic concepts in database systems, including data manipulation language and data definition language, as well as obtained an overview of SQL. I was then taught how to apply this knowledge using software such as MySQL and Apache server hosting.
- Software engineering in a team setting
 - During my Junior year of college, I took CS 386 where I learned how to apply software engineering and software architecture techniques. Moreover, I learned about various team management methodologies such as Agile and Waterfall methods. While in CS 386, I also learned how to effectively utilize these methodologies in a team setting.
- Hardware and software knowledge
 - While at NAU, I have worked for NAU's classroom support team where I provided direct, and indirect, technical support for hardware, software, various operating systems, and classroom A/V technology. Along with providing technical support, I would also prepare documentation, training, and support materials for faculty members on campus.

Other interests

- Cooking has always been an interest of mine. I enjoy trying different recipes and techniques, and experiencing the unique flavors that come with combining different ingredients.
- During the summer and spring, I like to go camping at the various dispersed camping sites across Flagstaff and Sedona.
- When I have free time, I like to hang out with friends and play multiplayer games such as League of Legends and DOTA 2.

Info

- Name: Bradley Donn Kukuk
- Email: bdk48@nau.edu
- Major: Computer Science
- Hometown: Boise, ID/ Red Bank, NJ



Education

- Hamilton High School; GPA: 3.6
- Northern Arizona University
 - Relevant classes include:
 - CS 480 - Operating Systems
 - CS 399 - Advanced Web Development
 - CS 345 - Principles of Database Systems

Technical Skills

- Operating Systems Development in C
 - Over the last few years I have made a conscious decision to teach myself C and have been working with it for the last two year. I now have started to work in Operating Systems development through a class the university offers, CS480 Operating Systems.
- Mobile Application Development in JavaScript
 - The last two summers I have interned at two separate companies where I have built and maintained Mobile applications. Over this time I became very proficient in coding in JavaScript and have used both React Native Framework and the Ionic Framework for hybrid web development
- Amazon Web Services Cloud Storage and Databases Construction
 - With the last two summers building mobile applications, I spent a large amount of time learning how to use and interact with Amazon's AWS web servers and cloud storage. With these tools I learned how to access and store large quantities of data using JavaScript.

Other interests

- I am a fan of collegiate wrestling, and olympic wrestling. I grew up watching wrestling because my father is a wrestling coach and have grown very fond of the sport.
- I have trained in submission grappling for the majority of my life. I am currently a purple belt in Brazillian Jiu-Jitsu and spend a good amount of my time outside of class training.
- Any free time I have outside of training and school work I spend with friends playing video games and watching football .

Info

- Name: Batai Finley
- Email: baf238@nau.edu
- Major: Applied Computer Science
- Hometown: Anthem, AZ



Education

- Boulder Creek High School; GPA: 3.5
- Northern Arizona University
 - Relevant classes include:
 - CS 480 - Operating Systems
 - CS 386 - Software Engineering

Technical Skills

- Programming Languages
 - I have gained experience with a variety of different programming languages such as C, Java, Python and MATLAB. The classes that helped me most with learning these languages were CS 136 (Computer Science II), CS 249 (Data Structures), EE 222 (Intermediate Programming) and CS 122 (Programming for Engineering and Science). Furthermore, the ability to learn and quickly familiarize myself with additional languages when I need them was provided to me by the aforementioned classes.
- Data Structures
 - Through CS 249 (Data Structures) I learned how to design and implement several different abstract data types and algorithms for the efficient management of data. Additionally, I am currently in CS 480 (Operating Systems) which is teaching me to apply my knowledge of data structures and algorithms in situations where they may be most beneficial.
- Team Experience
 - Much of my team experience was gained in CS386 (Software Engineering) where my team and I developed a web application and learned several development methodologies to apply to our current and future projects. Moreover, CS 126L (Computer Science I Lab) and CS 136L (Computer Science II Lab) contributed significantly in my experience with how to work one on one with another programmer effectively.

Other interests

- When I get the opportunity, I enjoy building lists of computer parts and assembling desktop computers for my friends, family and myself.
- In my spare time I tend to play single player role playing games like Fallout. Occasionally, I'll hop into multiplayer games and play with my friends.
- Recently, I have become interested in modding video games to add new features and replayability to games I enjoy.