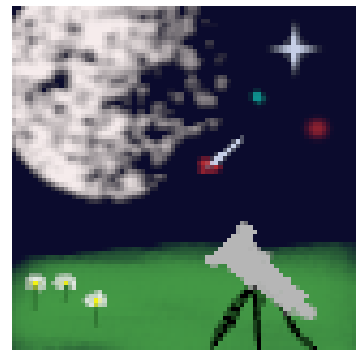


Team First Light



Team Inventory

30 September, 2021

Sponsors

Dr. David Trilling

Dr. Mike Gowanlock

Faculty Mentor

Felicity Escarzaga

The Team

Team Lead: Matt List- mjl79@nau.edu

Carson Pociask - cmp557@nau.edu

Jakob Nelson - jrn235@nau.edu

William Fuertes- wf69@nau.edu

Jensen Roe - jr2999@nau.edu

Overview: The purpose of this document is to introduce the team and describe the talents, experience, and skills of each team member relevant to the project at hand.

Matt List



Biography: I am a Flagstaff native who is majoring in Computer Science and minoring in Mathematics and Biology.

Education:

- Coconino High School
- Coconino Community College
- Northern Arizona University
- Relevant Courses
 - CS 450 Introduction to Parallel Programming
 - CS 386 Software Engineering
 - CS 430 Computer Graphics

Skills & Relevant Coursework:

- Data Analysis tools via Python
 - I have been working on learning Data Analysis in a Jupyter setting, both with INF110 and some self-learning projects. Additionally, I have learned the basics of R and R based tools, such as Shiny, and ggplot2.
- Software Engineering
 - I have learned a lot about the process of engineering software, from courses here at NAU as well as by pursuing this topic on my own. I enjoy the process of seeing a project move from an idea to code, to the final working software.

Other Interests:

I enjoy playing and developing video games, watching TV/Movies, and doing some amateur astronomy/sky watching. Prior to COVID, I also enjoyed Brazilian Jiu Jitsu.

Carson Pociask



Biography: Born and raised in Phoenix, Arizona. Attending NAU as a senior in Applied Computer Science with a minor in Cybersecurity.

Education:

- Saguaro High School, ~ 3.7 GPA
- Northern Arizona University

Experience:

- Tech Intern at Interconnect Inc. - Installed and maintained various network equipment and cabling.

Skills & Relevant Coursework:

- CS212: Front-End Web Development
 - Developed skills in HTML, CSS, and JS through the creation of basic web pages
- CS399: Back-End Web Development
 - Developed skills in SQL and PHP
- CS345: Database Systems
 - Enhanced skills in SQL and MySQL
- CYB404: Network Security
 - Intermediate skills in Python + network and plotting libraries
- CS386 - Software Engineering
 - Learned about the processes of engineering software and got experience working in a team setting

Other Interests:

I enjoy watching movies (usually older), listening to a wide range of music (Rush, Sade, Gordon Lightfoot, and Smashing Pumpkins for example), and working on old cars. I look forward to being aboard the growth of technology and enjoy the constant learning opportunities that come with the field.

Jakob Nelson

Biography: I am a senior Computer Science major also pursuing minors in Mathematics and Biology. I was born and raised in Orange, California. I enjoy everything that has to do with the outdoors and have really enjoyed my time here at Northern Arizona University.



Education:

- Orange Lutheran High School - 3.62 GPA
- Northern Arizona University
 - Relevant Courses
 - CS 345 Principles of Database Systems
 - CS 386 - Software Engineering
 - CS 450 Parallel Programming

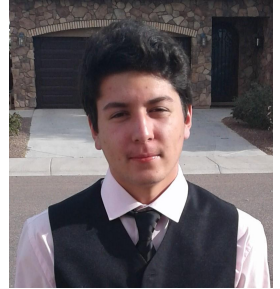
Skills & Relevant Coursework:

- Basic Web Design
 - During CS 212 I developed basic skills in HTML, CSS, and JavaScript which helped to design a website while using python as the backend server language.
- Working with Databases
 - During CS 345 I learned how to work with, and manage databases. This will be helpful when working with the database that is hosted here at NAU through Monsoon.
- Software Engineering
 - I learned extensive techniques in Software Engineering through the course taught here at NAU. I believe it has given me the skills to work on larger-scale projects like this capstone project and to transfer my knowledge into the workforce.

Other Interests:

I spend a lot of my free time outside doing various activities like mountain biking and hiking. I also enjoy watching or participating in all sports, especially ice hockey. I am always learning new things and enjoy a challenge that I know will benefit me in expanding my knowledge and skillset.

William Fuertes



Biography:

- Major: Applied Computer Science
- Home Town: Tonopah, Arizona

Education:

- High School: Tonopah Valley High School, ~ 3.8 GPA
- College: Northern Arizona University
 - Courses:
 - EGR 333W: Engineering Writing
 - CS 345: Databases
 - CS 386: Software Engineering

Skills & Relevant Coursework:

- Teamwork:
 - During my multitude of summer internships, I would say I have a very good understanding of teamwork.
- Plotting Point Software:
 - During my INF 110, I would say I have a basic understanding of plotting points in Jupyter Notebook but willing to expand my knowledge.
- Website Design:
 - During my CS 200, I would say I have an intermediate understanding of how to design websites and what the outcome should look like.

Other Interests:

- Video Games (wide variety)
- Playing Instruments (Piano and Guitar)
- Looking at astronomy pictures (Usually on Reddit)

Jensen Roe



Biography:

- Grew up in Southern California, Coachella Valley
- BS in Computer Science Major

Education:

- Associates of Science from North Seattle College
- BS in Computer Science (in progress)

Experience:

- Software Developer Intern: Experience in application development including logins and natural language processing from images.
- Front-end web development experience including the construction of two small business websites

Skills & Relevant Coursework:

- Full stack web development frameworks (Django and Flask)
- Android mobile development
- Introduction to Databases
- Introduction to Web Programming

Hobbies & Interests:

- Space enthusiast (all things rockets!)
- Game development