Team Inventory

September 12, 2020

LOST EXPRES

Sponsor: Joe Llama

Mentor: Volodymyr Saruta

Team Lead: Brooke Caldwell

Architect: Jared Cox

Customer Communicator: Olivia Thoney
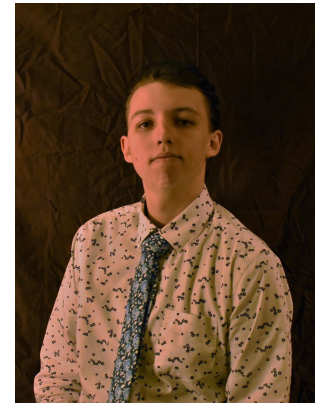
Release Manager: Ian McIlrath

Meeting Recorder: Austin Bacon

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, interests, and relevant experience of each team member.

Ian McIlrath

Applied Computer Science

Raised and lived in Tucson AZ for my entire life.

Education:

Tucson High School

Northern Arizona University - 3.1

1. CS 345: Principles of Database Systems
2. CS 386: Software Engineering
3. CS 480: Operating Systems

Work experience:

- I do not have work experience relevant to my major outside of the university.

Skills:

- Graphical/UI Design: With experience from FYS classes on product and application design, I have been interested, and have researched UI/UX for several years.
- Web Design: I have experience from my own personal projects, as well as the Software Engineering semester project, learning responsive web design based in HTML and CSS.
- Maintaining Servers: Experience from the Software Engineering project, in which our team launched a website from a personally owned server.

Other interests:

Relevant to the project, I have had an interest in, and have taken several classes on astronomy. This interest has stretched back into high school, and I still take interest in the science; currently taking AST 183: Astrobiology as an elective. Past that, my interests and hobbies span a large area of expertise. I have interest in drawing, painting, airbrushing/spray painting, graphical design, product design, woodworking, metalworking, leatherworking, circuitry, and the list goes on. While the sheer amount of hobbies I have is daunting even for me, each field gives expertise and insight on all of the others, and genuinely helps in real life situations.

Brooke Caldwell

Computer Science

Vail, Arizona

Education:

Cienega High School - 3.83

Pima Community College - 4.0

Northern Arizona University - 3.77

1. CS 345: Principles of Databases
2. CS 386: Software Engineering
3. CS 421: Algorithms

Work experience:

- Teaching Assistant: Over my time at Northern Arizona University, I have been a Teaching Assistant for many courses. Those include but are not limited to, Advanced Web Development, Data Structures, and Java Development.

Skills:

- Code Review: From being a teaching assistant, I have reviewed code so that I can easily error check, and understand code bases.
- Web Programming: From the courses I have taken and my experience being a teaching assistant for Advanced Web Programming I have knowledge of PHP, SQL, and Javascript.
- Programming Languages: During my time at Northern Arizona University I have learned many programming languages including Java, C, HTML, PHP, Javascript, CSS, and Python.

Other interests:

All my life I have consistently been interested in two things, those being Astronomy and Programming. It is my main goal in life to work in the space industry, so being on this project is a dream come true.

Olivia Thoney

Computer Science, Statistics minor

Sheridan, WY

Education:

Sheridan High School - 4.0

Northern Arizona University - 4.0

1. CS345: Principles of Databases
2. CS386: Software Engineering
3. STA477: Time Series Analysis

Work experience:

- Junior Software Engineer at Wyolution, LLC: I help design and implement web applications for clients using PHP and SQL. We create intuitie and clean user interfaces for analyzing and interacting with data.
- Data Science Intern for Sheridan County School District #2: I used SQL to query data from an extensive school database and presented data in reports using Excel and Tableau.
- Teaching Assistant: I was/am the teaching assistant for CS 249 and CS 315.

Skills:

- Advanced web development skills such as extensive knowledge of PHP, Javascript, jQuery, SQL, and UI design using Bootstrap and Smarty templates.
- Understanding of many programming languages such as PHP, Python, Java, SQL, R etc.
- Extensive background in statistical analysis including familiarity with statistical software such as JMP Pro, Tableau and R Studio.

Other interests:

After college I aim to have a career in big data analytics. I am passionate about how big data is shaping the world we know and want to contribute to the unique solutions being created to utilize and learn from the unprecedented amounts of data humans are producing. Outside of academia I enjoy being active in nature including running, biking, kayaking and more.

Jared Cox

Applied Computer Science

Vail, Arizona

Education:

Cienega High School - 4.0

Northern Arizona University

1. CS 399: Advanced Web Programming
2. CS 345: Principles of Databases
3. CS 386: Software Engineering

Work experience:

- Summer Shadowing at The Computer Resource, Tucson: I shadowed some IT professionals by helping them build computers and help customers with any computer problems they were having.

Skills:

- Web development skills such as HTML, CSS, Javascript, and PHP
- Familiar with many database management systems such as MySQL
- Knowledgeable about using Github and other collaboration methods from previous group projects

Other interests:

I am passionate about web development, particularly backend web development. I am interested in how websites make connections to databases, and I enjoy working on projects that heavily involve that. Some of my other hobbies include longboarding, camping, snowboarding, and playing video games like Super Smash Bros.

Austin Bacon

Applied Computer Science

San Tan Valley, Arizona

Education:

Combs High School

Northern Arizona University

1. CS 345 Principles of Database Systems
2. CS 386: Software Engineering
3. CS 480 Operating System

Work experience:

- I do not have any relevant work experience for this project aside from my classes at NAU.

Skills:

- Web development: basic HTML, CSS, PHP, and javascript development in CS 112, intro to the www and the internet, and CS 212 web programming.
- Logical Programming: I have become proficient in Javascript, C, Java, and Python.
- Technical Writing: I took ENG302W: Technical writing and learned how to effectively and professionally communicate with my team members and anyone else associated with the project I am working on.

Other interests:

I have always had an interest in astronomy; I took AST 183: Life in the Universe my freshman year and really enjoy learning about outer space and astronomy in general. I also have an interest in health and live an active, (mostly) healthy lifestyle. I enjoy hiking and exercising in the gym.