Diverse Makers

Team Inventory

2-9-2024

Project Sponsor: Dr. Jared Duval

Faculty Member: Michael Leverington

Team members:
Daniel Minichetti (Team Lead)

Kane Davidson

Eduardo De La Rosa

Elleana Negrelli

Aaron Ramirez

Overview

The purpose of this document is to introduce the members of the team, as well as to introduce their skills and knowledge, educational background, technical skills and other interests.

Daniel Minichetti

Major: Applied Computer Science

Hometown: Queen Creek, AZ

ddm357@nau.edu

Education

High School: San Tan Foothills (July 2016 – May 2020)

- Scholars Diploma
- GPA: 4.1
- involved in Future Business Leaders of America Club

Central Arizona College (August 2020 – May 2022)

- Completed Gen Ed requirements.

Northern Arizona University (August 2022 – Present)

- CS 386: Software Engineering
- CS 333W: Technology and Society
- CS 345: Database Systems

Experience

Technical Support – Staples

Staples – Queen Creek, AZ   Mar 2022 – Present

- Assist customers with their needs ranging from PC tune-ups to software installation.
- Deliver upon expectations in a timely manner and provide documentation of what was fixed or installed.
- Helped customers find additional tech products to support their business or duties.

Skills

- Software Engineering: I have previous experience working in group environments and took CS 386 at NAU, passing with an A.
- Web Development: I was the sole builder of the website for my web application in CS386, and took CS 212 in which I got an A. From these experiences I've gained an in-depth knowledge of HTML, CSS and some JavaScript.
- Technical writing: Understand IEEE formatting and have experience in writing technical reports or deliverables from both EGR333 W and CS 386.

Interests

- Data Science: while a separate discipline of its own has really caught my attention this past year and I enjoy the processes of taking data and analyzing it.
- UI Development, I really enjoy developing clean and usable interfaces particularly for websites and apps

Kane Davidson

Major: Computer Science

Hometown: Irvine, CA

kd894@nau.edu

Education

High School: Arnold O. Beckman High School (2015-2019)

- GPA: 3.8

Yavapai College (2020 – 2021)

- GPA: 3.9
- Completed Gen Ed requirements.

Northern Arizona University (August 2021 – Present)

- CS 249: Data Structures
- CS 386: Software Engineering
- CS 480: Operating Systems

Experience

Application Developer - Kretus

Kretus – Orange, CA   May 2019 – Present

- Solely developed an iOS application that helps customers calculate how much epoxy they will need to cover a certain square footage.
- Communicated with contractors, customers, and co-workers to determine needs for the application.

Skills

- Swift iOS development: The entire development process for the previously mentioned iOS application is done entirely in Swift.
- Communication: At my current job, I constantly communicate with others about the needs of the app, what needs to be changed, and what can be improved.

Interests

- Mobile Application development: Because I am self-taught in Swift, I am constantly trying to learn more about how I can improve my application development skills.

Eduardo De La Rosa

Major: Applied Computer Science

Hometown: Phoenix, AZ

ed588@nau.edu

Education

High School: University High School (August 2016 – May 2020)

- GPA: 3.7

Northern Arizona University (August 2020 – Present)

- CS 212: Web Programming
- CS 386: Software Engineering
- CS 440: Software Architecture
- DIS 304: Accessibility And Usability: Introduction To Universal Design

Experience

Software Developer, Contract – Northern Arizona University

Northern Arizona University – Flagstaff, AZ   Dec 2022 – Jan 2023

- Developed and implemented a Python application using Jupyter and MongoDB to process and analyze large-scale astronomical datasets for the Legacy Survey of Space and Time (LSST), applying data processing techniques to extract and visualize relevant information from all-sky observations of over 30,000 meteors.
- Created comprehensive documentation for software changes, ensuring industry professionals could understand and implement new features, resulting in improved efficiency across teams to help streamline the development process.

Skills

- Software Engineering: Understanding of Object-Oriented Programming and Agile methodologies with a proficiency in Python to develop graphical user interfaces while effectively contributing to a team.
- Accessibility and Usability: Skilled in universal design, learned to create accessible and inclusive documents and digital content for users of all abilities, ensuring inclusivity and usability in design projects through the DIS 304 course.
- Leadership and Project Management: Leadership experience shown through mentoring first-year STEM students through PromESA, teaching assistance in the CS 122 course, and leading a team to meet deadlines and achieve a successful project result in CS 386.

Interests

- Universal Design in Web Development: I'm passionate about front-end development, with a focus on designing web page interfaces that are not only accessible but also highly usable for a wide audience.

Elleana Negrelli

Major: Software Engineering

Hometown: Phoenix, AZ

ecn32@nau.edu

Education

High School: Sunnyslope High School (2016-2020)

- GPA: 3.94

Northern Arizona University (August 2020 – Present)

- CS 312: Web Programming
- CS 345: Database Systems
- CS 386: Software Engineering

Experience

College Intern - SRP Protection, Automation, & Control Services

Phoenix, AZ   April 2022 – Present

- Provide technical support to engineering, design, construction, and maintenance groups, including verifying remote connections for physical assets within the grid

Skills

- Web development: I have experience with web development from the course CS 312 and worked with a team in CS 386 to develop a web application.

- Communication and collaboration: Throughout the last few semesters, I have collaborated on numerous group projects as well as working with a team on a daily basis in my internship. This has allowed me to effectively work with others and strengthen my communication skills.
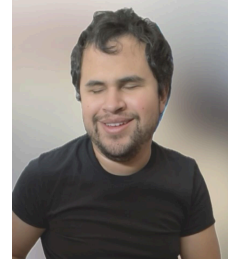
Interests

- User interface design: I am interested in the illustration and graphic elements of web design that enable user-friendly interfaces..

Aaron Ramirez

Major: Computer Science

Hometown: Tucson, AZ

jar874@nau.edu

Education

High School: Saint Peter High School (graduated 2016)

Northern Arizona University (August 2018 to present)

- CS-212 (A)
- CS-386 (A)

Experience

Student Digital Accessibility Analyst (Disability Resources at NAU)

Northern Arizona University – Flagstaff, AZ   August 2019 - Present

- Specialized in screenreader technologies, leading accessibility audits and providing consultancy to improve accessibility of university platforms and third-party applications.

Student Support Tech, NAU

Northern Arizona University – Flagstaff, AZ   August 2022 - Present

- Provide technical support to students, faculty, and staff, resolving a variety of software and hardware issues while maintaining a high level of customer satisfaction.

Skills

- Experienced with back-end web development: In CS-386, I wrote a functional Django REST API for my team project by myself.
- Familiar with Accessibility Best Practices: I audit products for accessible design for a living, plus I have personal experience navigating the online world with a screen reader because of my blindness.

Interests

- AI, especially how it can be used to make the world more accessible.
- Video Games Accessibility: In 2020, I participated in a project to make the game fully accessible to blind and visually impaired people.