



Team Inventory

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Project Sponsor: Jesslynn Armstrong

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Intro

This team inventory paper serves as a quick introduction to our team members. The training, abilities, and pertinent experience of each team member are briefly described in the pages that follow.

Ryan Lucerol Applied Computer Science | Chandler, AZ

Education

Highschool: Perry High School

GPA: 3.54

Northern Arizona University

Relevant Course:

- CS 249- Data Structures
- CS 470- Artificial Intelligence
- CS 386- Software Engineering



Work Experience

Information Technology Intern | Array

- I was involved in various departments at Array Technologies. My main tasks included tier 1-3 IT administrative tasks. I was also able to cross-train with the software engineering department as well.

Technical Support Specialist | Northern Arizona University

- I am a student worker at Northern Arizona University. I mainly work in the ITS Service Desk call center where I assist customers in different technical support tasks.

Skills

Programming

Gained through academic coursework in full-stack development and hands-on experience during my internship with Array, building real-world solutions in Python and C#.

Cybersecurity

Developed through focused study and practical experience in securing systems and networks, with a strong emphasis on protecting data and ensuring system integrity.

Other Interests

Outdoor activities/Active activities

I am a very active person who enjoys spending time outdoors, whether it's hiking, playing sports, or exploring cool scenic spots. I also love working out, pickle ball and pretty much anything that involves staying active.

Golfer

I am passionate about golf, as it combines my love for the outdoors with focus, discipline, and continuous self-improvement.

Cathy Ly | Computer Science | Phoenix, AZ

Education

Highschool: Barry Goldwater High School

GPA: 3.67

Northern Arizona University

Relevant Course:

- CS 386 - Software Engineering
- CS 421 - Algorithms
- CYB 410 - Secure Software



Work Experience

Teaching Assistant | Northern Arizona University

- Developed 5 programming assignments and created solutions to them in C++, Python, and Rust. Tutored students and answered questions about C++ course materials.

Undergraduate Student Researcher | Northern Arizona University

- Created and led professional development workshops for 100+ educators and faculty. Developed educational apps using Code.org for the Navajo Nation.

Technical Mentor | Northern Arizona University

- Facilitated and provided programming assistance for 40+ students creating video games using Game Jam and Construct 3

Skills

Programming Languages

C++, Python, and Rust: Developed assignments and solutions in different programming languages as a Teaching Assistant

JavaScript, HTML, CSS: Creating educational apps and lesson plans for students and educators

Human-Computer Interaction (HCI)

Created simple apps and developed websites for educators and students from grades 7th-12th. Have implemented interactive lesson plans for engaging learning!

Healthcare Experience

My experience at HonorHealth for 3 years, as a Behavioral Therapist for 1 year, and as a Human Resource Intern for 1 year, has allowed me to work with patients and complex hospital systems.

Other Interests

Visual Arts

In high school, I studied visual arts for 4 years. In college, I continued by studying Art 101 and Ceramics. Outside of school, I love to paint and use programs such as Abode Illustrator, MediBang Paint, and Clip Studio. I am also familiar with Blender.

Video Games

I love the visual storytelling in video games but I can spend hours in front of simulation survival games like Oxygen Not Included.

Marco Castrita | Computer Science | Cottonwood, AZ

Education

Highschool: Mingus Union High School

GPA: 4.0

Northern Arizona University

Relevant Course:

- CS 345 - Database system
- CS 440 - Software Architecture
- CS 480 - Operating Systems



Work Experience

Lot associate | Walmart

- Keep the parking lot clean and free of cart, while filling in for any other position when needed.

Kitchen Leader/Back of House Manager| The Habit Burger Grill

- Keep track of inventory, manage the cash, ensure that health and safety laws are followed, manage a team of cooks and cashiers, follow conflict management steps when needed, and know how to cook and clean everything.

Skills

Server Management

In both CS 386 and CS 440, for the group project I was in charge of managing a server that was able to store and query data from a database hosted on the server.

Programming

Through multiple higher-level classes, I have learned to code in c, c++, python, and javascript, in order to create web applications and local applications.

Other Interests

3d Printing

In my free time I like to 3D print, as I like the process of designing parts in cad, and making them into real parts.

Electronic assembling

I am currently learning how to create circuit designs, and how to assemble electronic circuits on a breadboard.

Cooking

When I have time I like to make food, learn new recipes, and to see what food combinations work with each other.

Zach Trusso | Software Engineering | Redondo Beach, CA

Education

Highschool: Redondo Union High School

GPA: 3.4

Northern Arizona University

Relevant Course:

- CS386- Software Engineering
- CS440- Software Architecture
- CS345- Database Systems



Work Experience

Teaching Assistant | Northern Arizona University

- Guided students through CS labs and answered questions about C code. Had office hours to help students with assignments: graded homework assignments and exams.

Consumables/Personal Shopper | Walmart

- Help customers find products they need. Stock and organize shelves. Create new features and endcaps. Shop for customers and deliver to vehicles.

Skills

Programming

Experience coding in C, Python, and C++ in multiple upper-division classes. Also some basic C# experience making a 2D sidescroller game in Unity.

Interpersonal Skills

Through my different customer service jobs, I have learned how to properly deal with many different kinds of people. I have also learned how to effectively communicate in a team environment.

Other Interests

Hiking

I enjoy going on new hikes with friends and family. One of my favorite places to hike is in Sedona, with my favorite hike being Westfork.

Video Games

I enjoy playing a few games in my spare time, including COD and puzzle games like Portal.