

Team Inventory

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Team Clean Carbon

September 26, 2022

Sponsor: Allie Shenkin

Mentor: Vahid

Members: Curtis McHone, Richard McCue, Shayne Sellner,
Justin Stouffer, Jonathan Bloom

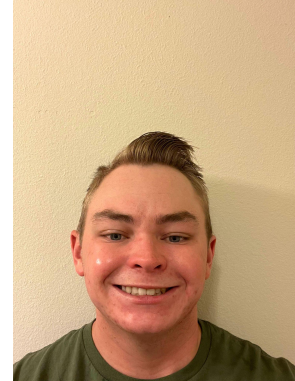
Overview

The purpose of this team inventory document is to most importantly, introduce the team members working on the project. The following pages will outline the skills, experience, knowledge and interests of each team member.

Name: Curtis McHone

Major: Computer Science

Hometown: Chandler, AZ



Education:

Hamilton High School

- 4.0 GPA
- Graduated May 2019

East Valley Institute of Technology

- CTE Certification in Graphic Design

Northern Arizona University

- Graduating Spring 2023
- 3.19 GPA
- Relevant Coursework:
 - CS 345 Database Systems
 - CS 470 Artificial Intelligence (currently enrolled)
 - CS 480 Operating Systems

Work Experience:

- I have no internships or work experience in the field

Skills:

- SQL, I used SQL in my database class and created a project that takes advantage of SQL queries and a java based GUI.
- Python, my AI class has gotten me very familiar with python and how to use it for data management.
- Websites/UI, with the combination of taking web programming and having a graphic design background this comes very naturally to me.

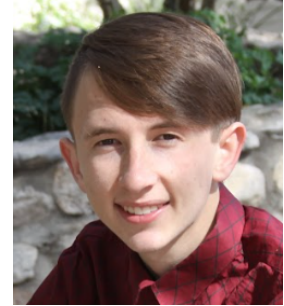
Other Interests:

When I'm not doing school work I enjoy doing anything outside. Whether it be hiking, hunting, fishing, or shooting my bow. I am really passionate about the outdoors and like spending all the time I can outside.

Name: Shayne Sellner

Major: Applied Computer Science

Hometown: Tucson, AZ



Education:

Marana High School

- GPA: 3.44
- Graduated Spring 2019

Northern Arizona University

- GPA: 3.77
- Projected Graduation Spring 2023
- Relevant Coursework:
 - CS 470: Artificial Intelligence
 - CS 480: Operating Systems
 - CS 345: Database Systems, (currently enrolled)
 - CS 312: Web Programming II

Work Experience:

Tucson Embedded Systems (TES):

- Internship at TES over the summer/continuing into this school year. I develop new features for their internal website, as well as fix bugs. I work with their SQL database regularly.

Undergraduate Research - Bioinformatics:

- I am currently working on an undergrad research project through SICCS and TGen North. We are using Monsoon and Qiime2 to classify virus samples. We are also creating a Qiime2 plugin to assist and simplify the analysis and classification process.

Skills:

- Python: My CS470 class and my undergrad research project both use python. I am fairly comfortable with Python.
- SQL: My internship along with my CS312 (Web Dev II) class both use SQL, I am very familiar with SQL basics.
- Monsoon: Many classes I have taken used the linux command line, but I have specifically used Monsoon through my undergrad research project.

Other Interests:

Some of my interests outside of school include:

- Playing video games, chess, Scrabble, doing puzzles, etc...
- Video editing
- Listening to music
- Spending time outside, especially going on hikes and runs
- Hanging out with friends and family

Name: Justin Stouffer
Major: Computer Science
Hometown: Phoenix, Arizona



Education:

Sunnyslope High School

- GPA: 4.3 weighted
- Graduated May 2019

Northern Arizona University

- GPA: 3.31
- Projected Graduation Spring 2023
- Relevant Coursework:
 - CS 345 Database Systems
 - CS 386 Software Engineering
 - CS 480 Operating Systems (currently enrolled)
 - CS 430 Computer Graphics (currently enrolled)

Work Experience:

Semiconductor and Device Research Lab:

- Internship at NAU's SDRL lab in the SICCS building. I test RRAM devices using lab equipment, and analyze the data using graphing software I helped develop in python. I also use COMSOL Multiphysics simulation software to model the devices and its properties.

Skills:

- Web Programming: My web programming class (CS212) has given me skills in developing websites using HTML and CSS, and I enjoy modeling interfaces.
- SQL: I used SQL in my Database Systems course along with my CS386 project, which has helped me become familiar with databases.
- Java/C: I have been taught in Java for many of my CS classes, and I am also programming in C currently in my CS480 Operating Systems class.

Other Interests:

Some interests of mine outside of school include:

- Playing tennis (NAU club tennis team)
- Playing video games
- Hanging out with friends/going out with friends
- Exercising
- Refurbishing Electronic Devices

Name: Jonathan Bloom

Major: Computer Science

Hometown: Deerfield, IL

Education:

Deerfield High School

- Graduated May 2019

Northern Arizona University

- Graduating Spring 2023
- GPA: 2.94
- Relevant Coursework:
 - CS 386 Software Engineering
 - CS 430 Computer Graphics (currently enrolled)
 - CS 470 Artificial Intelligence (currently enrolled)



Work Experience:

- I have not done any internships or work in this field yet

Skills:

- Python: I am currently using the language in my CS 470 class and I have also used Python in a couple smaller projects. I feel pretty confident in the language and being able to navigate it.
- AWS (S3, Athena): I have worked on a few AWS mini projects mostly using its S3 capabilities. I am also somewhat familiar with AWS Athena (SQL query tool)
- APIs: I have done a lot of projects evolving the usage of APIs including one where I used Java to access google and youtube's custom APIs
- Maven: I used maven as a build automation tool last year in my CS 386 project

Other Interests:

Some of my other interests aside from Computer Science include:

- Cruising around on my skateboarding
- Playing video games
- Going to the gym
- Cooking homemade food
- Hanging out with friends and family

Name: Richard McCue

Major: Computer Science

Hometown: San Antonio, TX

Education:

Great Oak High School

- GPA: 3.29
- Graduated Spring 2019

Northern Arizona University

- GPA: 3.05
- Projected Graduation Spring 2023
- Relevant Coursework:
 - CS 386 Software Engineering
 - CS 480: Operating Systems
 - CS 470: Artificial Intelligence, (currently enrolled)
 - CS 345: Database Systems, (currently enrolled)
 - CS 430 Computer Graphics (currently enrolled)



Work Experience:

- I have not done any internships or work in this field yet

Skills:

- Python: My CS470 class and I have used python on a few smaller personal projects giving me a decent understanding of the language and how to use it
- SQL: My CS 312 (Web Programming II) class used SQL throughout it so I have a decent understanding of the basics of SQL
- Java/C: Many of my classes taken at nau have been in either Java or C and pre college I had 2 years of experience in Java giving me a solid understanding of both languages.
- Web Programming: I have taken 2 courses in web development at NAU, CS 212 & CS 312. These courses have given me a solid understanding of web programming and the languages associated with it.

Other Interests:

Some of my interests outside of school include:

- Slacklining
- Playing Video Games
- Anything outside. I.E. hiking, climbing, running etc
- Skateboarding with friends
- Spending time with friends and family