

# Team Inventory

9/25/2018

CS476

## Pandemic Processing



Project sponsor: Dr. Joseph Mihaljevic, Asst. Professor SICCS, NAU

Team mentors: Dr. Eck Doerry and Jun Rao

Team: Anthony Schroeder, Joseph Eppinger, Tanner Massahos

### **Overview:**

This document is a concise overview of each team member's technical expertise and personal interest.



Tanner Massahos  
Computer Science major with a minor in Mathematics  
Hometown: Surprise, AZ.

## Education:

High School: Liberty High School. 3.6 GPA.

Notable upper-division CS courses:

- Algorithms
- Software Engineering
- Databases

## Relevant experience:

- Research under Dr. Vigil-Hayes that dealt with mapping devices to users for a cost effective automated approach to IT Support at the edge.

## Skills:

- **RStudio** – I utilized RStudio for a large portion of my Undergraduate Research. Its main purpose was for generating visuals for data analytics.
- **Django Web Framework** – Helped a friend with his side project which utilized Django and utilized it for our web application at HackAZ.
- **Python** – Used Python alongside the Django Framework and considered utilizing it over RStudio for generating visuals.

## Technical Interests:

- **Data Analytics** – I value the importance of understanding something further by analyzing the data pertaining to the topic of interest.
- **Agile Software Development** – During any project it is essential that your team members can pivot and adapt quickly to anything that is thrown at them.
- **Web Applications** – I believe Web Applications increase the ease of access of applications worldwide when compared to Desktop Applications.

## Personal Interests:

- I enjoy studying business related topics.
- I just got into Weightlifting.
- I am fond of occasionally playing video games.



Joseph Eppinger  
Computer Science major with a minor in Mathematics  
Hometown: Surprise, AZ.

## Education:

High School: Willow Canyon High School. 4.0 GPA.

Notable upper-division CS courses:

- Computer Networks
- Software Engineering
- Databases

## Relevant experience:

- Applied research in Dr. Doerry's lab in which I assisted in development of an app which allows hydrologists to share and view data. I also contributed to a web application for the Grand Canyon River Outfitters Association which allows for easy bookkeeping.

## Skills:

- **Moderate knowledge of Ruby on Rails** – The web application framework was used heavily in the GCROA project.
- **Database manipulation and management** – Gained from working in a large PostgreSQL database on the backend of a web application.
- **Limited knowledge of data processing** – Processed a small amount of data working on the hydrology project, and learned much about Chart.js.

## Technical Interests:

- **Data Processing and Modeling** – I am interested in learning more about these topics as I value what they can bring to the table.
- **UX Design** – I am quite passionate about good UX design.

## Personal Interests:

- I enjoy playing the MMORPG Runescape 3.
- I like distance and trail biking.



Anthony Schroeder  
Computer Science major with a minor in Mathematics  
Hometown: Chandler, AZ.

## Education:

Graduated at Perry High with a 3.3 GPA.

Notable upper-division CS courses:

- Principles of Computer Languages
- Operating Systems
- Databases

Notable upper-division Math courses:

- Principles of Mathematics
- Number Theory

## Skills:

- **C Programming** – Good understanding of the C programming language via Operating Systems and Parallel Programming.
- **Python** – Moderate understanding when it comes to Python.
- **SQL and Database Design** – Properly understand how SQL works and how to appropriately design a database.
- **Machine learning** – A solid understanding when it comes to tree searches such as Alpha Beta and Monte Carlo.

## Technical Interests:

- **Machine Learning** – I am extremely interested in when it comes to machine learning.
- **Computer Hardware** – I know this might be a bit outdated but I am intrigued when it comes to hardware.

## Personal Interests:

- Running and exercising outdoors.
- Computer Games
- I enjoy learning new topics and getting to know new people.