RAMPART

Remote Aerial Mission Planning and Radio Tracker

Team Inventory

9/26/19

Team Members

Eric Gault

Samuel Gilb

Keller Mikkelson

Nathaniel Zeleny

Team Sponsor: Dr. Michael Shafer

Team Mentor: Mahsa Keshavarz

Intro

This document was created in order to introduce each member of Team RAMPART[1] and highlight their experience in the field of Computer Science and Software Development. The following pages provide a brief, but thorough breakdown of the skills that each member brings to the table. We are confident that our diverse technical skillset and the excellent education we've received from Northern Arizona University will provide us with the tools needed to meet or exceed the expectations of our client.

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[1] RAMPART Stands for Remote Aerial Mission Planning and Radio Tracker

Samuel Gilb

Major: Applied Computer Science

Hometown: San Diego, California

High School:

Saint Augustine High School
GPA: 3.75

Studied at:
Northern Arizona University

1. CS 386 - Software Development
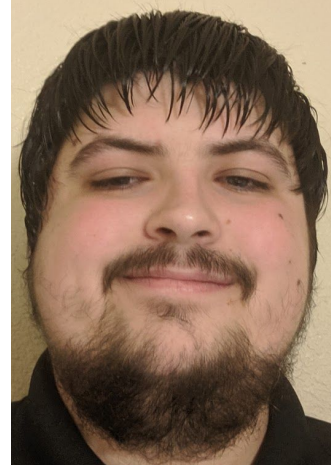2. CS 480 - Operating Systems

Work Experience:

No relevant work experience

Skills:

- Knowledge in Python
  - Gained in CS 126 by building simple programs
- Knowledge in C
  - Learned in CS 480 by constructing a small scale operating system simulator
- Knowledge in Matlab
  - Gained in CS 122 by creating various small scale projects

Other Interests:

- Video Games
- Reading

Nathaniel Zeleny

Major: Computer Science

Hometown: San Diego, California

High School:

Scripps Ranch High School

3.2 GPA

Studied at:

Northern Arizona University (NAU)

1. CS 480 - Operating Systems
2. CS 386 - Software Development

Work Experience:

- N/A

Skills:

- Knowledge in C
  - Learned from Operating Systems class (CS480) by building a basic operating system simulator.
- Knowledge in HTML/CSS/JS
  - Learned from Web Programming (CS212) by creating a website.
- Knowledge in Python
  - Learned from Computer Science I (CS126).

Other Interests:

- Video Games
- Game Development
- Cyber Security

Keller Mikkelson

Major: Computer Science

Hometown: Poway, California

High School:

Del Norte High School

Studied at:

Northern Arizona University

1. CS 386 - Software Development
2. CS 480 - Operating Systems

Work Experience:

- Intern at Transamerican Mailing Fulfillment. Contributed to the development of an automatic order form generator for the FoxPro DBMS.
- Software Developer in NAU's CANIS lab. Leading development on the AURORA Android app.

Skills:

- Knowledge in C
  - Learned from EE 222 by creating minor projects and CS 480 by creating an operating system simulator.
- Knowledge in basic drone piloting
  - Learned from owning and flying a drone back in 2015.

Other Interests:

- Homebrewing
- Video games
- Painting
- Camping
- Live music

Eric Gault

Major: Computer Science

Hometown: Tucson, Arizona

High School

Ironwood Ridge Highschool / Edge High School

Studied at:

Pima Community College

1. C Programming
2. Physics I and II

Northern Arizona University

1. CS 399 - Mobile Application Development
2. CS 399 - Advanced Web Programming
3. CS 386 - Software Engineering
4. CS 249 - Data Structures

Work Experience:

- USGS Student Contract Software Developer
- NAU Lab Aide for CS-136 (Java)
- IT intern at Pima Community College

Skills:

- Java Experience
  - From working as a lab aide for CS-136 and from various University-level classes
- Python Experience
  - From contributing to USGS python repositories and completing various University-level courses
  - Experience setting up program environments with Anaconda
  - Experience configuring and working on Jupyter Notebooks
- C Programming Experience
  - General knowledge of pointers, threads, and GNU Debugger from various University-level courses

- C++ Programming Experience
  - General knowledge of class structures and syntax from working on USGS repositories
  - Experience writing tests with gtest
- Website Development Experience
  - General knowledge of Javascript functions and event listeners gathered from various University-level courses
  - Knowledge of HTML, CSS, and XML languages
  - Experience setting up website frameworks
  - Experience working with MongoDB and MySQL database systems

Other Interests:

- Building Computers
- Video Games
- Graphic Design
- Movies / TV Shows