



Team Inventory
September 28, 2018

Team Amadeus

Mentor: Austin Sanders

Sponsors: Dr. Hélène Coullon & Frédéric Loulergue

Members: Wyatt Evans, Kyle Krueger, Melody Pressley, Evan Russell

Overview: The purpose of this document is to introduce each member of our team. Relevant information includes a brief bio, education, work experience, skills, and interests.

Wyatt Evans

Major: Bachelor of Science in Computer Science

Hometown: Phoenix, Arizona



Education:

Sandra Day O'Connor High School - Graduation 2015 (3.49 GPA)

Northern Arizona University - Expected Graduation 2019

Relevant Courses:

- CS301 - Computers and Society
- CS315 - Automata Theory
- CS345 - Principles of Database Systems
- CS386 - Software Engineering
- CS396 - Principles of Languages
- CS399 - Mobile App Development
- CS421 - Algorithms
- CS480 - Operating Systems
- CS499 - Research Methods for Software Engineering
- CS499 - Network Analysis

Work Experience:

Northern Arizona University

CS386 - Software Engineering: Grader / Teacher's Assistant

Currently working for Prof. David Beverly as a grader and teacher's assistant for Software Engineering at NAU. Recommended for the position by other professors in the department.

Skills:

- *Strong familiarity with many languages (including Python, C/C++, Java, and more)*
 - Gained through more than three years of training, formally and informally. I have a personal fondness of Python.
- *Understanding of database systems and languages*
 - Gained through CS345 listed above. I grew familiar enough to assist others with the concepts and languages.
- *Skills in data collection and analysis, including dealing with API's and JSON files*
 - Gained through both CS499 courses listed above. My knowledge here is primarily in Python, but the core concepts are applicable to virtually any language.

- *Experience in leadership and coordinator roles*
 - Gained from many sources, but especially through leading a weekly team-based improvisation and problem solving group since late 2016.
- *Experience with art and design*
 - Gained from art classes and art/design focused extracurricular groups throughout high school and beyond.
- *Other more general skills in Computer Science gained through my education at NAU.*

Other Interests:

I have many interests that fall outside of Computer Science, such as fiction writing, art and music, and tabletop gaming. I have completed a novel and am working towards getting it published, I have a history in both art and music extending through high school, and I lead a group of eight other people in weekly tabletop role-play sessions that involve long-term improvisation, and team-based cooperation / problem solving.

Evan Russell

Major: Bachelor of Science in Computer Science
Hometown: San Diego, California



Education:

Northern Arizona University - Expected Graduation May 2019

Relevant Courses:

- CS301 - Computers and Society
- CS315 - Automata Theory
- CS345 - Principles of Database Systems
- CS386 - Software Engineering
- CS396 - Principles of Languages (w/ Dr. Frédéric Loulergue)
- CS399 - Mobile Application Development
- CS421 - Algorithms
- CS460 - Computer Networks
- CS480 - Operating Systems
- CS499 - Parallel Programming
- CS499 - Software Security
- CS499 - Open Source Software Development

Work Experience:

United States Marine Corps

Served as Subject Matter Expert for the employment of over 3 weapon systems and safety regulations. Employed an IED Detection Dog in hostile environments to ensure safe routes for military convoys and civilian personal. Maintained and operated 3 rifle range simulators for the Marine Corps Annual Rifle Range training.

CSAA Insurance Group

Network internship with an experienced team of network engineers maintaining switches, routers, and firewalls. Other activities included creating custom scripts, reviewing internal processes and making recommendations for improvement.

Skills:

- *Proven leadership, team building, and problem solving skills under high stress situations and diverse work environments*
 - 6 years of honorable military service of successful deployment of equipment, personal, and fulfillment of leadership responsibilities.
- *Troubleshooting and diagnosing of networking issues*
 - Learned from a team of experienced network engineers diagnosing and improving network infrastructure. Automation of internal host device configurations and experience with industry firewall security management API's.
- *Familiarity with a broad range of programming languages and paradigms*
 - Gained over the last 3 years of educational instruction at Northern Arizona University in Computer Science.

Kyle Krueger



Major: Bachelor of Science in Computer Science

Hometown: Puyallup, Washington

Education:

Bonney Lake High School - Graduated 2007

Northern Arizona University - Expected Graduation May 2019

Relevant Courses:

- CS301 - Computers and Society
- CS315 - Automata Theory
- CS345 - Principles of Database Systems
- CS386 - Software Engineering
- CS396 - Principles of Languages (w/ Dr. Frédéric Loulergue)
- CS399 - Mobile Application Development
- CS421 - Algorithms
- CS460 - Computer Networks
- CS480 - Operating Systems
- CS485 - Undergraduate Research
- CS499 - Parallel Programming
- CS499 - Network Analysis/Characterization
- CS499 - Software Security

Work Experience:

United States Marine Corps

Senior Network Administrator

Managed a team of networking Marines to provide seamless network access to necessary individuals in both garrison and tactical environments. Ensured 100% network availability via proper testing and implementation as well as upgraded networks via parallelization techniques and technologies.

Summer Internship at NAU

Web Designer & Telecommunications Manager

Designed, installed, and maintained a web based administration portal for LTE communications (hardware and software). Tested and Installed a 4G LTE network on Northern Arizona University's campus for testing and presentation purposes.

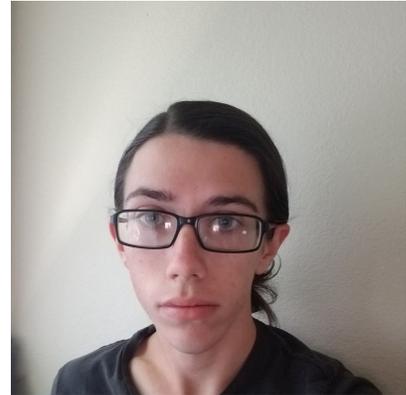
Skills:

- *Analytical and problem solving skills in high stress situations. Highly adaptable in adverse working conditions.*
 - Gained through 5 years of honorable military service.
- *Ability to troubleshoot hard to find networking issues and properly apply fixes in a timely manner.*
 - Learned skill from over 5 years of network design and management.
- *Experience in many programming languages and paradigms from a multitude of NAU courses and a summer internship.*

Melody Pressley

Major: Bachelor of Science in Computer Science

Hometown: Kailua Kona, HI



Education:

Kealakehe High School - Graduated 2015 (GPA: 3.3)

Northern Arizona University - Expected Graduation May 2019

Relevant Courses:

- CS301 - Computers and Society
- CS315 - Automata Theory
- CS345 - Principles of Database Systems
- CS386 - Software Engineering
- CS396 - Principles of Languages
- CS399 - Mobile App Development
- CS421 - Algorithms
- CS460 - Computer Networks
- CS480 - Operating Systems
- CS499 - Open Source Software

Work Experience:

Northern Arizona University

CS480 - Operating Systems: Grader / Teacher's Assistant

CS249 - Data Structures: Grader / Teacher's Assistant

Currently working under Professor Michael Leverington as a TA for two classes. Responsibilities include holding office hours, assisting students, and assisting professor in grading projects and exams.

Skills:

- *Proficient with a variety of programming languages. Able to adapt to most tools and frameworks.*
 - Examples include Python, C, C++, Java, and more. Skills gained through general coursework throughout university.
- *Proficient with basic concepts of AI, computer graphics, and computer networks.*
 - Skills gained through CS 470, CS 430, and CS 460, respectively, as well as personal research.
- *Able to work as a team member and communicate patiently and effectively with diverse groups.*

- Gained experience through various courses (incl. CS 399 & CS 386), as well as being from a very diverse area.
- *Experience handling large projects involving many different components.*
 - Experience gained through writing a Raytracer in CS 430, and an Operating System simulator in CS 480.

Other Interests:

Deep investment and interest in various forms of art, most specifically music production and music history. Also very interested in graphic design, especially in relation to human-computer interactions, GUIs, and the overall end-user experience.