NaviBot Systems

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Team Inventory
09/22/2019

Overview

The purpose of this team inventory document is to introduce the members of our team. The following pages briefly outline the training, skills, and relevant experience of each team member. (Temp Statement)

Peter Aaron Giroux

Major: BS Computer Science at Northern Arizona University
Hometown: Surprise, Arizona

Education:
- High School:
    - Willow Canyon High School
- Educational Institutions:
    - Northern Arizona University
        - Relevant Courses:
            - CS386: Software Engineering
            - CS399: Mobile Application Development
            - CS451: Mechanized Reasoning About Programs

Work Experience:
- U.S. Geological Survey Astrogeology Science Center - Student Contractor (Feb 2019 - Present)
    - Worked on open source software for projects revolving around planetary image processing, and the extraction and organization of planetary data.
    - Developed software in a team setting.
- Northern Arizona University - CS315 Grader (September 2019 - Present)
    - Graded student homework assignments for Automata Theory.
    - Held office hours.

Skills:
- Languages:
    - Python: Used for school, work and personal projects.
    - Java: Used for school and personal projects.
    - C: Used only in educational setting
    - C++: Used for work projects.
- User Interfaces: Have developed personal and school projects which required a user interface.
- Mathematics: I have completed all courses to fulfill my math minor. Courses include Calculus 3, Foundations of Mathematics, Linear Algebra, Discrete Mathematics and Statistics.
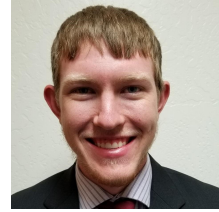
Other Interests:
- Machine Learning: I have been interested in machine learning for a while but have not yet had the chance to work with it.

Logan Behnke

Major: BS Computer Science at Northern Arizona University
Hometown: Tucson, Arizona

Education:
- High School:
    - Salpointe Caltholic High School
- Educational Institutions: Northern Arizona University
    - Relevant Courses:
        - CS386: Software Engineering
        - CS212: Web Programming
        - CS399: Advance Web Programming

Work Experience:
- Dr. Doerry's Lab - Research Assistant (Summer 2019-Present)
    - Worked on prototyping and developing an Aruino based camera system to monitor flooding in urban environments.

Skills:
Languages:
- Python: Created a python based web app using the Django framework
- C: used in educational practices
- Java: used in educational practices
- Arduino C: used to control the Arduino based camera system for my job

Other Interests:
- I have worked with Raspberry Pis in my freetime to control motors
- I have also worked with LEGO robotics

Benjamin Peterson

Major: BS Computer Science at Northern Arizona University
Hometown: Gilbert, AZ

Education:
- High School: Highland High School
- Educational Institutions: NAU
    - Relevant Courses:
        - CS 386: Software Engineering
        - CS 301: Computers and Society
        - CS 451: Mechanized Reasoning about Programming

Work Experience:
- NAU ITS Classroom Support (2016 to present)
    - Providing tech support and solutions to classrooms across NAU north campus.

Skills:
- Problem Solving
- Languages
    - Python
    - Java
    - C
- Scripting
    - Powershell
    - Unix
    - AppleScript

Other Interests:
- Information Security: I have done a lot of home-labbing password cracking, various networking hacks, and general vulnerability analysis.
- Music: I play several instruments and love to listen to/play/study all kinds of music.

Diva Ferrell

Major: BS Computer Science at Northern Arizona University
Hometown: Buffalo, New York

Education:
- High School: Perry High School
- Educational Institutions: NAU
    - Relevant Courses:
        - CS 386 Software Engineering
        - CS 399 Advanced Web Programming
        - CS 480 Operating Systems

Work Experience:
- CS 249 Data Structures TA (Fall 2019-present)
    - Grading and reviewing Java code and program functionality
- CS 480 Operating Systems TA (Fall 2019-present)
    - Grading C code and functionality, grading quizzes
- CS 345 Database Systems TA (Spring 2019-present)
    - Working 1-1 with students and helping with databases and models
- Student Office Worker in the Ethnic Studies and Women's Gender Studies Program (Fall 2017-present)
    - Writing emails, making flyers and spreadsheets, organization, and helping students/faculty
- CS 301 Computers in Society TA (Spring 2019)
    - Grading papers

Skills:
- Programming in C: used school projects
- Programming in Java: used for school projects
- HTML/CSS/JavaScript: used for school and personal projects
- Technical Writing: used for school writing assignments and work

Other Interests:
- Languages: I enjoy learning languages from different areas of the world, currently including Spanish, Japanese, and Chinese.
- Game design: I study it in my free time and want to go into the gaming industry once I graduate.
- Creative writing: I am in the process of writing a novel I plan to publish.

George Cadel-Munoz

Major: BS Applied Computer Science at Northern Arizona University
Hometown: Glendale, AZ

Education:
- High School:
    - Ironwood High School

- Educational Institutions:
    - Northern Arizona University:
        - CS386: Software Engineering
        - CS301: Computers and Society
        - CS451: Mechanized Reasoning About Programs
    - University of Arizona:
        - ENGR 102: Introduction to Engineering

Skills:
Languages:
- Python: Favorite language to write programs; High familiarity with syntax and structure.
- C/C++: Both languages are fairly similar, common usage in educational practices.
- Java: Limited usage; Used only in educational practices.
- LUA: Limited usage; Used in specific game programming.

Other Interests:
- Machine Learning: I find machines capable of learning through data and being deployed to act accordingly to similar instances are interesting (e.g. Tesla Inc. self driving cars).
- Robotics: Technology built to enhance human life and perform difficult physical tasks are quite fascinating (e.g. Boston Dynamics Atlas Robot)