Team Inventory

Date: September 24, 2019

Team Name: IntelliChirp

Project Sponsors: Colin Quinn, PhD and Patrick Burns

Team's Faculty Member: Fabio Santos

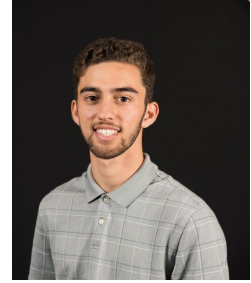**Team Members**: Steven Enriquez, Michael Ewers, Joshua Kruse, Zhenyu Lei

<u>OVERVIEW</u>

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

Steven Enriquez

Computer Science, Minor in Mathematics

Long Island, New York

EDUCATION

- **Boulder Creek High School (GPA 3.6)** - Anthem, AZ
- **Glendale Community College (GPA - 3.64)** - Glendale, AZ
- **Northern Arizona University (GPA - 3.62)** - Flagstaff, AZ
  - CS413: Virtual Worlds
  - CS480: Operating Systems
  - CS499: Parallel Programming

WORK EXPERIENCE

- **State Farm Internship** - Worked with a team of interns and full-time developers to develop a full stack web application while using agile methodologies.
- **Freelance Web Design** - Created a portfolio website for a videographer.

SKILLS

- **Web Design** - Used React.js for a front-end web application at a State Farm internship. Comfortable with HTML, CSS, and JavaScript.
- **Languages** - Comfortable programming in Java, C, Python, and JavaScript.
- **REST**: Created REST API's in a Spring Boot application during a State Farm internship.
- **Linux**: Familiar with basic Linux commands and have used Linux in virtual machines during multiple courses at NAU.
- **Git**: Have experience with version control using Github and GitLab from the internship as well as courses at NAU.
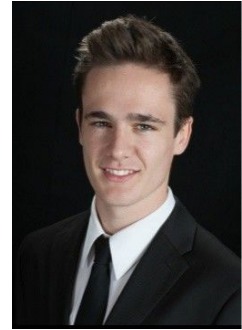
OTHER INTERESTS

- **Amateur Astrophotography**: I enjoy attaching my DSLR to my telescope and taking photos of the night sky.

Michael Ewers

Computer Science

Santa Fe, NM

EDUCATION

- **Santa Fe Preparatory School** - Santa Fe, NM
- **Northern Arizona University** - Flagstaff, AZ
    - CS480: Operating Systems
    - CS499: Parallel Programming
    - CS399: Mobile Application Development

WORK EXPERIENCE

- **Amazon Skill Dev -** Developed and deployed an Amazon Echo Skill named "QuickFit Workout" on the Amazon Alexa Skill store. The application is managed on AWS. It is written in Python and uses DynamoDB to store specific information. The application has received up to 2,300 users.

SKILLS

- **Languages**: Comfortable with Python, Java, C, and Javascript.
- **Adaptability**: Ability to learn and apply new technologies and languages quickly.
- **Github:** Experience implementing version control with Github

OTHER INTERESTS

- iOS development and general mobile application development
- Machine Learning and Predictions, AI
- Web Application Development and back-end database management

Zhenyu Lei

Computer Science

Suzhou, China

EDUCATION

- **No.1 Middle School of Suzhou New District (GPA 3.16)** - Suzhou, China
- **Yangzhou University (GPA 3.28)** - Yangzhou, China
- **Northern Arizona University (GPA 3.81)** - Flagstaff, AZ
  - CS499: Parallel Programming
  - CS399: Advanced Web Programming
  - CS396: Principles of Languages

WORK EXPERIENCE

- **Delphi's Electrical Product Testing Laboratory Internship -** One month internship to learn about the architecture and programming of new energy vehicle engines.

SKILLS

- **Languages**: Comfortable with Java, C, Python, JavaScript, Swift, and PHP.
- **Mobile Application Development**: Comfortable with Android and iOS development.
- **Linux**: Comfortable with Linux commands and interfaces.
- **Fast learning ability**: Enthusiastic for new knowledge and passion to learn it fast.
- **Overall concept**: Have a good grasp of the overall progress of the project.

OTHER INTERESTS

- Smart cars that can recognize black tracks and march along them as well as a self-balancing imitation BB-8 (using STM32)
- Artificial Intelligence tools and technologies
- Playing acoustic guitar

Joshua Kruse

Computer Science

Phoenix, Arizona

EDUCATION

- **Desert Vista High School** - Phoenix, AZ
- **Northern Arizona University** - Flagstaff, AZ
  - CS480: Operating Systems
  - CS451: Mechanized Reasoning about Programs
  - CS396: Principles of Languages

WORK EXPERIENCE

- **Undergraduate Research** - Northern Arizona University
  - Performed data mining of GitHub repositories using the GitHub API. Conducted Sentiment Analysis of comments left on Pull Requests.

SKILLS

- **Languages:** Comfortable with Java, C, Python, HTML, CSS, Javascript, and Haskell.
- **Linux:** Comfortable with Linux commands and interfaces.
- **Adaptability:** Fast learner and excited to work on new interests and technologies.

OTHER INTERESTS

- Machine Learning technologies
- Functional programming techniques