



## **Team Inventory**

**Date:** September 14, 2020

**Team Name:** SongBird

**Project Sponsor:** Paul Flikkema

**Team's Faculty Mentor:** Andrew Abraham

**Team Members:** Kevin Imlay, Daniel Mercado, Yasmin Vega-Nuno, Anqi Wang

### **OVERVIEW**

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.

## Kevin Imlay

Computer Science Undergraduate

Alta Loma, California



### EDUCATION

- **Alta Loma High School (3.7)** - Alta Loma, CA
- **Northern Arizona University** - Flagstaff, AZ
  - Software Engineering CS386
  - Automata Theory CS315
  - Algorithms CS421

### WORK EXPERIENCE

- **NAU Energy Club Dynamometer** - Developed software to run an Arduino for monitoring and reporting data from a dynamometer system.
- **Retrofit Telescope Mount** - Computerized an old german-equatorial telescope mount with control input from a remote to gain finer control of movement and tracking.

### SKILLS

- **Unix/Linux** - Have used Unix/Linux systems for six years and am familiar with the system.
- **C/C++** - Have three years of experience with C and C++ programming, and some experience coding Arduinos using C++.
- **Java** - Have five years of experience in programming in Java 7 and Java 8.

### OTHER INTERESTS

- I'm an avid hiker, camper, and caver, and I enjoy just about any recreation that involves being outdoors.
- In my spare time I like to bake bread and pastries, or to try cooking new recipes. In general, I like the culinary arts.

## Daniel Mercado

Computer Science Undergraduate

Murrieta, California



### EDUCATION

- **Chaparral High School (GPA 3.6)** - Temecula, CA
- **University of Mary Washington** - Fredericksburg, VA
- **Northern Arizona University** - Flagstaff, AZ
  - Parallel Programming CS499

### WORK EXPERIENCE

- **State Farm Internship** - developing applications to help developers with Salesforce operations. Mainly programmed in Javascript with a small amount of HTML.
- **Student Research** - under Igor Steinmacher creating extensions in Javascript.
- **Student aid** - at University of Mary Washington helping students work with circuitry and arduino projects.

### SKILLS

- **Linux** - Able to navigate and use Linux operating systems effectively. Can use terminal effectively as well
- **C/C++** - Took Data Structures at the University of Mary Washington where they used C++.
- **React** - Attended a State Farm Hack-a-Thon where me and a team programmed a web application that displayed merge requests that need review.
- **Node.Js** - Created sample projects to test out an application during my State Farm internship.

### OTHER INTERESTS

- Creating applications and “bots” that make discord servers easier to manage.
- 3D printing objects to help with development such as raspberry pi covers or general objects for games such as tanks for a board game.

## Yasmin Vega-Nuno

Computer Science Undergraduate

Phoenix, Arizona



### EDUCATION

- **Maryvale Highschool (3.4)** - Phoenix, Arizona
- **Northern Arizona University** - Flagstaff, AZ
  - Operating Systems CS480
  - Software Engineering CS386

### WORK EXPERIENCE

- **Operating Systems Simulator Project** - Simulates process scheduling and actions, memory management, and creates log files given metadata and a config file.

### SKILLS

- **C** - Computer Graphics and Operating Systems are helpful in keeping the language fresh in my mind.
- **HTML/PHP/CSS** - Created small projects in Advanced Web Programming which implemented all three to retrieve, delete, or add information to a database.
- **Technical Writing** - ENG302w gave insight into typography, minutes reports, and formal writing in general.
- **Problem Solving** - Core CS classes have helped me to clearly understand a problem in order to approach it in the best way.

### OTHER INTERESTS

- Researching and filling the gaps in my understanding of web development. I plan on entering this field upon graduation.
- I like to sketch and draw in my free time. I use a variety of mediums whether it be Prismacolor pencils, marker sets, or just a simple black BIC pen.

## **Anqi Wang**

Computer Science Undergraduate

Changzhou, Jiangsu, China



### **EDUCATION**

- **Yangzhou University** - Yangzhou, China
- **Northern Arizona University** - Flagstaff, AZ
  - Software Engineering CS 386

### **WORK EXPERIENCE**

- **Building an E-commerce Store** - Helped build an e-commerce website that allows small businesses to advertise, manage, and sell their products and develop their sales scale and companies at relatively low cost.
- **Student Achievement System** - Implemented a student achievement system with my classmate which includes record, modify, delete students' score and statistical results in the C language.

### **SKILLS**

- **Programming languages** - Proficiency in C and Java.
- **Professional Writing** - Professional writing in the workplace from Technical Writing ENG302W.

### **OTHER INTERESTS**

- I like playing mobile games like Arena of Valor, QQ speed and so on.
- Sometimes I practice the Ukulele as well.