

Team Inventory



Team: Save Watt
September 27, 2018

Sponsored by:
Jonathan Heizinger & Dr. Truong Ngheim

Faculty Mentor:
Isaac Shaffer

Team members:
Madison Boman, Hyungi Choi,
Ian Dale, Brandon Thomas

Overview: This team inventory document is to serve as a brief introduction the members of our team. In the following pages they will depict each of the team members by providing information on the individual's biographical background, their previous and current education, work experience, skills, and any other interests they feel that are worth noting.

Ian Dale

Computer Science Major

Hometown: Yuma, AZ



Education:

High School:

Kofa High School (GPA 4.0)

University:

Northern Arizona University Senior

Applicable courses pertaining to this project:

CS386 Software Engineering

CS460 Networks

CS470 Artificial Intelligence

Work Experience:

- **Department of Mathematics and Statistics - NAU** (August 2017 - Present)
Technical Intern - Maintain the website for the math department, create technical tools for the Peak Performance Summer Bridge Program, attend technical trainings to advance my skills
- **School of Informatics, Computing, & Cyber Systems - NAU** (Aug 2017 - Dec 2017)
Teacher's Assistant - Algorithms (CS 421) - Worked closely with faculty, graded assignments, hosted tutoring sessions, created exercises to advance student learning.

Skills:

- **Programming Languages** - Java, Python, C, C++, Swift, R, HTML, PHP, CSS, Javascript, SQL, Scheme, Prolog achieved through coursework at NAU
- **Artificial Intelligence** - Experience building smart programs, logic bases, self playing games
- **Mobile App Development** - Experience building applications that emphasize user experience

Other Interests:

- **Machine Learning** - I look forward to expanding my knowledge of AI into this field.
- **Personal Interests** - Music, Magic the Gathering, Cooking, World Culture

Madison Boman

Computer Science Major

Hometown: Surprise, AZ



Education:

High school diploma:

Shadow Ridge High school (GPA 3.76)

University:

Current Northern Arizona University senior.

Applicable courses pertaining to this project:

CS345 Principles of Databases

CS386 Software Engineering

CS460 Networks

Work Experience:

- **Information Technology Services (ITS) – NAU** (May 2017- Present) Apprentice programmer - Fulfill assigned tasks on various school websites, using databases, web development languages, and engage in learning of useful tools for future projects
- **General Dynamics Mission Systems – MUOS Program** (May 2018 – August 2018) Summer Software Engineer Intern - Went through the software development process, focusing on agile development.
- **School of Informatics, Computing & Cyber Systems – NAU** (Aug 2017 – May 2018) Computer Organization (CS200) grader - Grade student assignments and, write test programs against their projects, as well as writing grading scripts.

Skills:

- **Java, Python, C, C++, PHP, MySQL, SQL, JavaScript, HTML, CSS** - Languages I have acquired through my studies at NAU or from work experience.
- **Microsoft SQL Server, PHPMyAdmin Wordpress, & Git** - From my experience working on NAU's admin & enterprise websites, as well as my personal website.
- **User Interfaces** - From my experience at General Dynamics where I had to create a user interface to connect military radios to satellites to displays various statuses of the satellites.
- **Github** - From my experience in NAU's Open Source Software course and the Soft. Egr. course.

Other Interests:

- **User Experience** - To create an aesthetically pleasing and adaptable interface for the user.
- **Machine Learning** - I haven't had any experience with but, I love to learn!

Hyungi Choi

Computer Science Major

Hometown: Seoul, South Korea



Education:

High School:

Pungduck High School, South Korea

University:

Northern Arizona University Senior

Applicable courses pertaining to this project:

CS345 Principles of Databases

CS386 Software Engineering

Work Experience:

No relevant work experience

Skills:

- **Web Development** – Created websites with HTML, CSS, PHP, and JavaScript. Also learned how to build a website in CS212
- **Databases** - Experienced with database structure in CS345

Other Interests:

- I find an enjoyment staying at home. I usually watch Netflix and cook while I stay at home.

Brandon Thomas

Computer Science Major
Hometown: Kayenta, Arizona



Education:

High School:

Monument Valley High School (GPA: 3.85)

College:

Coconino Community College

University:

Northern Arizona University Senior

Applicable courses pertaining to this project:

CS386 Software Engineering

Work Experience:

- **Information Technology Services (ITS) – NAU** (October 2015 - Present)
Administrator System Assistance - Capturing computer Files by a wim to be deployed through Microsoft System Center Configuration Management including program packaging.

Skills:

- **Web development** – Created websites with HTML, CSS and PHP through the class CS 212
- **Java, C, Python** - Experience in basic knowledge of coding through NAU courses

Other Interests:

- Passionate in technology and computer science