

Team Inventory

9.22.19

Team Name - SmartState

Project Sponsor: Rick Duarte

Team Faculty Member: Fabio Santos

Team Members

David Rodriguez

Jesse Rodriguez

Andrew Hurst

Reed Hayashikawa

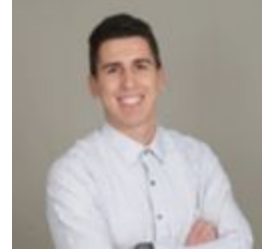
Jianxuan Yao



David Rodriguez - Release Manager / Client Communicator

Major: Applied Computer Science

Hometown: Paso Robles, CA



Education:

Northern Arizona University - Current

Relevant Courses:

- Advanced Web Programming
- Database Systems
- Mobile Application Development

University of Arizona - 2016

B.S. Health Sciences and Technology

Work Experience:

- **Undergraduate Research Software Engineer** at NAU Pathogen and Microbiome Institute. I contribute to the development and maintenance of QIIME 2, which is a bioinformatics platform.
- **Global Data Privacy Assistant** at W.L. Gore & Associates. I worked for the Data Privacy Office to document business processes according to GDPR data privacy regulatory standards.

Technical Skills:

- I am most proficient in JavaScript as a language and React as a framework through course work and my undergraduate research.
- Linux Ubuntu operating system, Oracle VM VirtualBox, and Windows Linux subsystem experience through undergraduate research.
- Completion of Advanced Web Programming (CS 399) where I learned Angular.js as a framework, back-end server implementation (Node.js), and database manipulation (MongoDB).
- Currently enrolled in Parallel Programming (C language) and Mobile Application Development (Kotlin).
- Utilization of Github using Git Bash command line for project development.

Other Interests:

- I am an outdoorsman that enjoys hiking, running, and recently became interested in mountain biking.
- I am a post-baccalaureate student who is completing a second degree in Applied Computer Science.

Andrew Hurst - Team Lead
Major: Computer Science
Hometown: Port Townsend, Wa



Education:

Northern Arizona University - Current

Relevant Courses:

- Machine Learning Research
- Deep Learning
- Advanced Web Programming
- Database Systems

Corona High School - 2015

Work Experience:

- **Undergraduate Research Software Engineer** at NAU Machine Learning Research Lab.
I am currently contributing to optimizing and documenting for publication a Google Summer of Codes project for a Regularized Interval Regression algorithm.

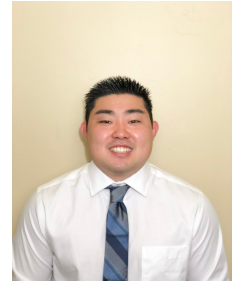
Technical Skills:

- Familiarity with Machine Learning Classification and the concepts supporting it.
- Proficiency in major object-oriented languages, Java, C, C++. As well as scripting languages such as Python and Javascript
- Completion of Advanced Web Programming (CS 399) where I learned Angular.js as a framework, back-end server implementation (Node.js), and database manipulation (MongoDB).
- Currently enrolled in Deep Learning course with Toby Hocking (CS 499)
- Proficient in Bash Shell Command-line scripting as well as some familiarity with Linux command-line and Linux OS implementation.
- Utilization of Github using Git Bash command line for project development.

Other Interests:

- Assembling and building projects from woodworking to Software projects frameworks
- Competitive sports, Climbing, Backpacking/Camping

Reed Hayashikawa - Recorder
Major: Computer Science
Hometown: Pahoā, HI



Education:

Northern Arizona University - Current

Relevant Courses:

- Advanced Web Programming
- Mobile Application Development
- Differential Equations
- Principles of Database Systems

Pahoā High School - 2015

Work Experience:

- **Music Streaming Project (CS 386)** at NAU software engineering course. I contributed to the back and front end implementations of the project. Mainly my tasks consisted of the backend database manipulations and the output of data to the user.

Technical Skills:

- Abilities in computer software maintenance, development, & organization
- Linux Ubuntu operating system, and Oracle VM VirtualBox experience acquired through coursework such as operating systems (CS 480)
- Currently enrolled in Computer Networks (CS 460) which includes the concept and implementation of computer networks, architecture, and case studies.
- Completion of Differential Equations (MAT 239) where I learned to model the behavior of complex systems using mathematical reasoning and proofing.

Other Interests:

- I look forward to learning new things and always keep an open mind.
- I have hopes to further advance my education in artificial neural networks.

Jesse Rodriguez - Architect
Major: Computer Science
Hometown: Prescott Valley, AZ



Education:

Northern Arizona University - Current

Relevant Courses:

- Software Engineering
- Database Systems
- Mechanized Reasoning

Bradshaw Mountain High School - 2015

Work Experience:

- **DNAnalyzer Project (CS 386)** at NAU software engineering course. I developed the functionality of the front end of the system.

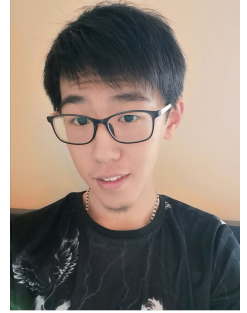
Technical Skills:

- Familiarity with Java, C++, Python, MIPS Assembly, HTML, CSS, and JavaScript.
- Windows 10 operating system with VirtualBox experience acquired through coursework in mechanized reasoning(CS 451).
- Currently enrolled in Computer Networks (CS 460) which introduces the concept and implementation of computer networks and architecture.

Other Interests:

- I enjoy indoor activities such as gaming and watching movies.
- I hope to gain experience to help me become a better software developer.

Jianxuan Yao - Release Manager
Major: Computer Science
Hometown: Jiangsu China



Education:

Northern Arizona University - Current

Relevant Courses:

- Software Engineering
- Database Systems
- Principle of Programming Language

Work Experience:

- I have created multiple websites that led me to acquire skills for front end implementations along with substantial back end knowledge.
- I have experimented with robotics in the past and have a great understanding of the functions and characteristics.

Technical Skills:

- Currently enrolled in Operating Systems (CS 480) (C language & Linux environment)
- Proficient in other programming languages such as Python, Java, and JavaScript.

Other Interests:

- I am interested in machine learning, but I have no foundation in it.
- I think deep learning and machine learning are cool.