

Team Inventory
9/21/19

GNomes

Sponsors

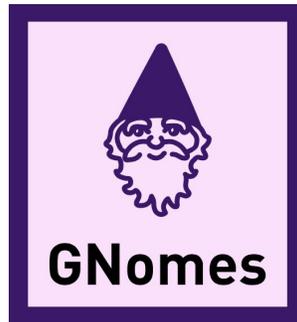
Dr. Toby Hocking
Christopher Coffey

Mentor

Mahsa Keshavarz

Members

Jacob Christiansen
Allen Clarke
Yuanyuan Fu
John Jackson



Introduction: 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

Allen Clarke
Computer Science and Mathematics Major
Anthem, AZ



High School: Boulder Creek HS

Institutions: Northern Arizona University

Courses:

- Machine Learning
- Databases
- Numerical Analysis

Work Experience:

- Internship at TGen - Designed barcode interface for sample tracking system.
NAU Undergraduate Symposium - 2nd Place in Undergraduate Research Posters in 2019.
- NAU Math Tutor - Developed skills to improve communication of ideas.

Skills:

- Javascript - Developing drag and drop sample interface at TGen for sequence data
- Postgres - Written recursive queries to determine a location hierarchy
- Go - Developed back end server to act as mediator between Javascript and Postgres
- R - Familiar using R to write Machine Learning Algorithms and as a Statistics Tool.

Other Interests:

I am very passionate about being active, and try to run and ski throughout the year. I also play the X-Wing miniatures game.

Jacob Christiansen
Computer Science Major
Phoenix, AZ



High School: Thunderbird High School

Institutions: Northern Arizona University

Courses:

- Machine Learning
- Algorithms
- Web development

Work Experience:

- CS 249 Data Structures teaching assistance - I am responsible for holding office hours to help students as well as grade weekly projects.
- District medical group (DMG) IT assistant - Develop software and code to support new tools in the server.
- Website development for startup - Created a website for a board game startup.

Skills:

- Back end server development - Creating plugins to help with the automatic computer setup at DMG
- Go - parallel programming using the Go programming language
- SQL - database creation and management through SQL

Other Interests:

I run a dungeons and dragons campaign for six of my friends.

John Jackson

Computer Science Major, Philosophy Minor
Skull Valley, AZ



High School: Prescott HS

- GPA: 3.8
- National Merit Scholar Finalist

Institutions: Northern Arizona University

Courses:

- Parallel Programming
- Databases
- Technical Writing

Work Experience:

- Automata Theory grader (pending)

Skills:

- C
- JS and MEAN stack

Other Interests:

I like hiking, reading, and home-recording music.

Yuanyuan Fu
Computer Science Major, Mathematics Minor
Huhhot, China

High School: Huhhot No.1 HS

Institutions: Northern Arizona University

Courses:

- Automata Theory
- Algorithms
- Mechanized Reasoning about Programming



Work Experience:

- NAU Teaching Assistant for Calculus I - Support faculty partner throughout the semester in a capacity that benefits and encourages success for the students enrolled in the course
- NAU Teaching Assistant for General Chemistry II- Support faculty partner throughout the semester in a capacity that benefits and encourages success for the students enrolled in the course
- Grader for Introduction to Linear Algebra
- Grader for Discrete Mathematics

Skills:

- Python
- Android Development

Other Interests:

I like travelling and playing basketball.