

JAKE SHOFFNER

jshoffn3@vols.utk.edu • (865) 978-2087

EDUCATION

The University of Tennessee, Knoxville, Tickle College of Engineering
Bachelor of Science, Double major in Computer Science & Statistics
Cumulative GPA: 3.82/4.00
Dean's List -- Summa Cum Laude (4 semesters)

Knoxville, Tennessee
Graduation: May 2024

SKILLS

- C++, JavaScript, R (most used languages)
- HTML, CSS, Python (some experience)
- Linux CLI, Git, GitHub

EXPERIENCE

University of Tennessee, Knoxville – Department of Anthropology

Knoxville, TN
January – May 2022

DATA201 Teaching Assistant

- Assist students in understanding data science fundamentals using statistical packages in Python.
- Answer and resolve technical problems asked by students in lab sessions or by email.
- Grade and correct students' weekly coding assignments.

University of Tennessee, Knoxville – Department of Physics

Knoxville, TN
February – October 2020

Undergraduate Research Assistant

- Worked alongside PI and graduate students in research relating to the field of condensed matter physics.
- Calculated, measured, and synthesized compounds needed for experiments within the research group.

PROJECTS

Personal Website

ReactJS, TailwindCSS

- My personal website that is meant to be easily updated as I complete more projects.
- Coded completely with React and Tailwind.

Anomie App

JavaScript, CSS, HTML, Jikan API

- A web application to search for anime that harnesses the power of the Jikan API.
- Ability to randomize an anime recommendation for the user.

Server Rewards Code Processor

C++

- A mock server to manage and process rewards codes.
- Using the Standard Template Library, track users, phone numbers, prizes, and rewards codes.
- Runs as a fully functional rewards points system.

Music Library Parser

C++

- Parses song, album, and artist data from a command line argument passed text file.
- Uses the Standard Template Library, to sort this data in alphabetical and numerical order accordingly.
- Prints a conveniently formatted and sorted library in an improved reader-friendly layout.

SELECTED COURSEWORK

- Data Structures & Algorithms
- Computer Organization
- Scientific Computing
- Discrete Structures
- Data Mining
- Regression Modeling
- Probability and Random Variables