

Charles Keller Munroe

charles.munroe49613@gmail.com ♦ (254) 780-7447 ♦ Austin, Tx

Personal Website: kelleronfire.github.io/Index.html

EDUCATION

University of Texas at Austin

Graduation: Spring 2023

College of Natural Sciences: Bachelor of Science, Computational Biology

College of Natural Sciences: Elements of Computing Certificate

College of Liberal Arts: Philosophy Minor

GPA: 3.2335

WORK EXPERIENCE

CRUX Climbing Center *Austin, Tx*

March. 2023 -Present Day

Youth Climbing Coach

- teaches rope safety and climbing technique to youth.

Texas A&M AgriLife Blackland Research & Extension Center *Temple, TX*

May. 2019 – Aug. 2019

Research Assistant

- assisted Dr. Kiniry in data collection, basic interpretations, and advancement of agricultural research.

RELEVANT COURSEWORK/PROJECTS

Amplify Website

- Building a dynamic front end that is connected to spotify API allowing the user to search for new music based on abnormal metrics such as tempo, danceability, energy, popularity and many more.

Kalboard 360 Online Learning

- Data Analysis of information collected on students learning in online classrooms.
- PCA/clustering and regression models to help predict student involvement in online classes as well as parent satisfaction of the program.

Field Study of Invasive Ant Populations

- Worked as part of a team to design and implement a field study of invasive ant species capturing and identifying all specimens.
- Implemented statistical analysis to come to meaningful conclusions regarding the data collected.

Genetic Study of Browning Adipose Tissue

- Collected and wrangled/cleaned genetic data to perform statistical analysis
- Performed technical statistical analysis in R using RNA-Seq differential expression analysis to identify significant genes of interest involved in browning of adipose tissue.

SKILLS/INTERESTS

Languages/Programs

- Python, R, MATLAB, Excel, SQL, Neo4j, Spanner, Mongodb, BigQuery, Bash, Git, Github, PHP, HTML, JavaScript, CSS

Statistical Analysis

- hypothesis testing, data visualization, model building, data analytics, machine learning