

TAONA KEITH MUSA

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EDUCATION

Bachelor of Arts, Luther College, Decorah, IA

May 2023

Major: Computer Science

Cumulative GPA: 3.5

Minor: Data Science

SELECTED COURSEWORK

Internet Programming, Advanced Algorithms and Data Structures, Applied Machine Learning, Data Modeling and Querying, Object-Oriented Programming, Computer Networks, Data Analysis and Visualization.

TECHNICAL SKILLS

SQL, Python, Java, JavaScript, React-Native, NextJS, HTML, CSS, Bootstrap, SQLite, Django, REST API frameworks, JSON, FLASK, Tableau, NumPy, Pandas, R, SPSS

WORKING PROJECTS

Luther Marketplace

December 2022 – Current

- Utilize NextJs, Django and REST API to create a full-stack web-app for students to donate goods
- Authenticate users using access and refresh tokens stored on the backend on account creation
- Allow GET and FETCH methods to access stored accounts and product API's.
- Design and implement visual components using Figma and CSS, respectively
- Deploy back-end on Heroku and front-end on Vercel for the second phase of useability testing.

Water Pump Failure Prediction

August 2023 – September 2023

- Explored and cleaned water pump data for use in machine learning algorithms to predict water pump failure.
- Generated heat maps to visualize feature correlation using the seaborn library
- Applied a deep neural network classifier to both train and test splits to predict pump failure.
- Achieved 99% precision and accuracy on both train and test sets.

St Benedicts Fundraiser

July 2023 – August 2023

- Refactored paper-based fundraiser ticket orders with a full stack application that stores and retrieves fundraiser ticket orders from an SQLite database.
- Improved data entry, access and querying by 70%
- Utilized MUI, SQL, HTML, CSS, JavaScript, and Tableau for querying and data presentation

EXPERIENCE

Web Developer | Career Peer Advisor

September 2021 – June 2023

Career Center, Luther College, Decorah, IA

- Design, update and deploy the institution's website content using Reason.
- Amend broken links and forms as observed from useability testing
- Facilitate vocational resource acquisition for peers through resume co-development and design.

Intranet Administrator | Web Developer Intern

January 2022 – November 2022

The Diversity Council, Rochester, MN

- Designed and maintained static and full-stack Web Apps for Rochester community service initiatives
- Administered SharePoint sites for successful collaboration with external contractors such as Mayo Clinic and Destination Medical Center
- Utilized Power Automate to implement applications that improve workflow and automate tasks
- Trained contractors on the Facebook business tool library to improve project outreach and data capture

HONORS, ACTIVITIES, AND LEADERSHIP EXPERIENCES

Honors: Dean's and Davis Scholarship Recipient, Dean's List (multiple receipts) and Alpha Lambda Delta member since 2020.

Leadership Experiences: Student representative for the faculty and staff led student development governance structure. Student representative for the learning and assessment governance board.

Activities: Photography, Blogging, fellowship in Black Student Union, Asian Student Association