

Luke Mulligan

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Education

University of Wisconsin – Madison

Bachelor's of Science in Computer Science

Certificate in Digital Studies

GPA: 3.83/4.0 (Dean's List: 5 Semesters)

- **Courses:** Computer Networks (Java), Algorithms, Databases (C++), Operating Systems (C), Machine Organization, Artificial Intelligence, Foundations of Data Science (Python)

Madison, WI

Sept 2019 – May 2023

Work Experience

Kohl's

Software Engineer Intern

Milwaukee, WI

June 2022 - August 2022

- Developed numerous microservices for querying from Oracle and MongoDB databases and translating Kohl's vendor data into a JSON format to be uploaded onto Kafka and Google Cloud Storage.
- Collaborated with a team of software engineers in the creation of a deconsolidation facility mobile application to assist in the automation of warehouse processes reducing labor costs by an estimated 20%.
- Adopted a leadership role among a team of 7 interns during a project to research and improve Kohl's returns space, presenting findings and prototypes to company leadership and stakeholders.

Comprehensive Gastrointestinal Health

Website Manager & Insurance Informant

Northbrook, IL

January 2020 - Present

- Managing upkeep and making regular additions to the company website utilizing HTML and CSS as well as the services such as Wordpress and GoDaddy website hosting.

Bernie's Book Bank

Data Management Assistant/Intern

Lake Bluff, IL

June 2018 - August 2018

- Assisted in the management and analysis of large amounts of data using software such as Salesforce and Microsoft Excel resulting in a 40% reduction of duplicate volunteer profiles in company database.

Projects

github.com/lmulligan14

Parallel Zip

Intro to Operating Systems

- Developed a highly efficient file comprehension program through the implementation of multiple concurrent threads with an efficiency ranking in the top 5% of the class.

Milk Weight Database

Programming III

- Worked collaboratively with a small team on an interactive database and corresponding GUI allowing users to analyze and generate reports on large datasets containing milk weight statistics for various farms.

Technical Skills

Programming Languages: Java, C, C++, Python, Javascript, HTML, CSS, SQL

Additional Technologies: Spring, Kafka, Google Cloud, K8s, Docker, Maven, Airflow, Git, Linux, MongoDB, R-Studio, MATLAB