

Ammar Mustufa

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I am currently pursuing a degree in Information Science and a data science minor at the University of Tennessee, Knoxville. Looking for an entry-level position. Will soon be applying to graduate school.

Projects:

- STAT 201-Practiced introduction statistic techniques and Data collection techniques. Graphical and numerical summaries of data. Introduction to probability and probability distributions. Binomial and normal distributions. Inference for a single mean, a single proportion, difference in means and difference in proportions using confidence intervals and hypothesis testing. Simple linear regression and correlation. Association between categorical variables. Use of statistical computing software. Applied course appropriate for a general audience.
- COSC 102- Practiced problem solving and algorithm development . Also practiced Organization and characteristics of modern digital computers with emphasis on software engineering, building abstractions with procedures and data, and programming in c++.
- INSC 384 - Practiced process of database development, including data modeling, database design, and database implementation. Developed a database project as capstone.
- INSC 484 - Developed database applications using a major database management system; created and manipulate database objects (including tables, views and sequences) develop program units using Python & SQL; and implement client applications such as forms and reports.
- DATA 201 - Practiced data collection and management, exploration and visualization of data, modeling, computing, and explored ethical issues associated with data science. Python programming based.
- DATA 202- Practiced foundational concepts and techniques in the management and presentation of data for effective data-informed decision making. Explored data storage and indexing strategies, data warehousing, metadata management, visualization of time-series and geospatial data, and best practices for presenting data to inform decision making, such as heat maps and infographics.
- DATA 301- studied the overview of the data life cycle, including creation, collection, assurance, description, discovery, integration, use, reuse, and preservation. Explores data management principles and the development and implementation of data life cycle management plans. Examines the legal, ethical, and technological challenges in developing and implementing data management policies.
- INSC 489- practiced data visualization through the visual representation of data in the form of visuals, such as charts, maps, graphs, and diagrams using tableau.
- DATA 302- I will practice analytical methods of Data Science as well as the survey of modern algorithms and methods in data science, focusing on how, why, and when various methods work. Includes topics in statistics, machine learning, and optimization.
- INSC 430- In this course I will learn about the fundamentals, theories of what is user experience, what constitutes the field of study, research methods and applications of user experience. Students will also be exposed to the functional, aesthetic and experience design process and its role in usability.

Willing to relocate: Anywhere

Authorized to work in the US for any employer

Work Experience

Research Assistant

University of Tennessee - Knoxville, TN

May 2023 to Present

During the summer of 2023, I assisted a professor in her research in data life cycle. I was able to visualize her research and data through various Tableau methods and was able to come to various conclusions through statistical analysis.

Merchandiser

Sam's Club - Franklin, TN

May 2021 to August 2021

- Stocked merchandise for daily store operation
- Aided customers in finding products and home solutions

Education

Undergraduate Degree in Information Science

University of Tennessee-Knoxville - Knoxville, TN

August 2020 to Present

Minor in Data Science

University of Tennessee-Knoxville - Knoxville, TN

Present

High School Diploma

Franklin High School - Franklin, TN

August 2016 to May 2020

Skills

- Microsoft Word
- Python
- C++
- MySQL
- SQL
- Database Design
- Data Science
- Tableau
- Data Visualization
- Data Warehouse

Languages

- English - Fluent