

Maryam Usman

B.S. Computer Science and Mathematics at UC San Diego - Graduating June 2023

Email: mausman1000@gmail.com | Portfolio: <https://mausman1000.wixsite.com/maryam-usman>

(858) 209-5869 | U.S. Citizen

Skills

Java, C++, HTML, CSS, Linux, Matlab, Project Management, Leadership, Collaborative Teamwork

Work Experience

Software Engineering Intern – Inventus Power

July 2022 - Sep 2022

- Responsible for measuring the lifetime and performance for lithium ion batteries that were used by EV golf carts and medical devices.
 - Created battery metric data store using influxDB as an operational time series database
 - Connected influxDB to grafana to output time series data onto visual dashboards
 - Performed bug fixes on python scripts
-

Projects

Lossless Data Compression– March 2023

- Designed and implemented a lossless data compression program in C++, utilizing the Huffman algorithm to provide users with a highly efficient and reliable solution for compressing data files without loss of quality.
- Created an intuitive user interface and optimized performance for faster transfer speeds and enhanced storage capabilities

Tarot Reading App – Feb 2023 – June 2023

- As the lead front end developer on a team building a tarot reading app, I have been instrumental in creating a user-friendly and visually appealing interface using HTML and CSS. I have been adding new features to the app and adapting it to devices of all sizes to ensure optimal user experience.

Rock Paper Scissors Game– February 2021

- Developed a game of rock-paper-scissors using Java.
-

Leadership and Awards

1st Place UCSD Hackathon Winner – April 2022

- Contributed to the development of an app that simplifies the funding request process for student organizations and sponsors, utilizing HTML, CSS, and JavaScript.
- Recognized by the judges for our innovative approach and seamless user experience.

Lead Finance Director UC San Diego MSA – May 2022 – current

- Oversee all financial aspects of a student organization, implementing strategic initiatives to optimize budgeting and funding strategies.
- Provide insightful advice to the executive board and have forged valuable partnerships with sponsors.
- Made a significant impact on the organization's financial stability and success.

Team Lead and Mentor UC San Diego Strive Oct 2020–Feb 2021

- I Guided a team of professionals in mentoring and supporting adults with disabilities aged 18-22 during their transition to independent living.
- Streamlined processes and maximized efficiency, while prioritizing individual needs and goals