Liam Anderson

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EDUCATION

UNIVERSITY OF MINNESOTA, MINNEAPOLIS, MINNESOTA - *COMPUTER SCIENCE*
FALL 2020 - FALL 2024

- Key Courses: Machine Architecture and Organization, Computational Linear Algebra, Advanced Data Structure and Algorithms *in progress,* Introduction to Operating Systems *in progress.*

PERSONAL PROJECTS

PERSONAL WEBSITE - liamandy.github.io

EXERCISE DICTIONARY
- Application that contains over 1,000 exercises in which users can browse through and search to learn information about exercises through videos and tutorials.
- Developed using JavaScript and React framework along with MaterialUI library.
- Integration of 'ExerciseDB' and 'Youtube Search and Download' APIs.

SECURE PASSWORD MANAGER
- Command line application to manage passwords securely using basic cryptography.
- Generated keys for encryption written to file and read from file using decryption.
- Written using Python and Fernet from the Cryptography library.

MOVIE RECOMMENDER SYSTEM
- Imitation of popular streaming services' collaborative filtering algorithm using genre, rating, and overview as tags to determine suggestions on a dataset of 10,000 movies.
- Developed using Python and Streamlit framework to create a simple User Interface.
- Integration of TMDb API to show suggested movie poster images.

GAME OF CHESS - *ACADEMIC*
- Developed in Java to demonstrate an excellent understanding of Data Structures and Algorithms.

EXPERIENCE

LibreCS - *Open Source Organization* **Minneapolis, MN**
Software Developer *January 2023 – Present*
- Contributed to innovative and interesting open source projects hosted on GitHub.
- Reviewed code to ensure readiness for implementation and deployment.
- Maintain website upkeep and support for user and technical documentation for ease of use.

Piccadilly Valet **Minneapolis, MN**
Valet Supervisor *January 2021 – Present*
- Trained new valets on operational procedures using hands-on instruction and mentored shift staff.
- Certified Customer Service Specialist certification attained via Forbes training course.

TECHNICAL SKILLS

- Languages: (Experienced) Python, Java, C, HTML (Exposure To) JavaScript, CSS, Assembly
- Technologies: Unix, React, Streamlit, MaterialUI, NumPy
- Behavioral: Team Communication, Attention to Detail, Project Management, Quick to Learn