Lawson A Pennel

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Education

<u>Southern Illinois University Carbondale</u>   Expected Graduation 2027   4.0 GPA
- Major: Bachelor of Science, Computer Science
- Specialization: Artificial Intelligence, Data Science
- Minor: Mathematics
- Treasurer of SIU branch of The Association of Computing Machinery
- President of SIU Tech Dawgs

<u>IBM Data Science Professional Certificate</u>
- A 12 course certificate covering key concepts of Data Science.
- Covers the fundamentals of Data Science with hands on Python Projects

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Experience

<u>DND Campaign Clusterer</u>   Primary Language: Python
- Working with large volumes of data, received from API requests
- Using Data Wrangling techniques to understand and clean a dataset for model creation
- Using KMeans Clustering to assign complexity values to different Dungeons & Dragons games, based on how difficult it would be for new players to play.

<u>Heart Disease Predictor</u>   Primary Language:Jupyter/Python
- Using Jupyter Notebooks in combination with EDA techniques to understand a dataset
- Standardizing Data, and using Data Balancing techniques, to ensure an accurate model
- Using a Random Forest Model to accurately predict the likelihood of heart disease

<u>SIU Bowling Alley Worker</u>   August 2024 - Present
- Work efficiently with a small team to satisfy customers and resolve technical problems

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Volunteering

Working With SIU Tech Dawgs.   August 2023 - Present
- Collaborated in creating coding workshops for young children
- Lead students through custom workshops step by step to ensure understanding
- Partnered with local organizations in the community as to reach more people

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Skills

Python	Pandas	Scikit-Learn	Model-Development
SQL	Excel	Communication	Data-Visualization