DANIEL SWARTS

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Summary

Results-oriented Computer graduate and Eagle Scout. Self-motivated with a strong focus on quality, I am proficient in software development techniques, machine learning, and statistics. I am a team player who can effectively communicate and present understandable findings.

Education

University of Minnesota - Twin Cities | Minneapolis, MN
Bachelor of Science in Computer Science
December 2023
GPA 3.048

Coursework:

Advanced Programming Principles	Software Engineering
Data Science	Operating Systems
Data Mining	Machine Learning Fundamentals

Code Languages: Python, Java, C, C++, html
Collaboration: GitHub, Managing repositories, Architectural Design
Data Analysis Techniques: Regression Analysis, Classification, PCA
Machine Learning: Data Mining, Tensorflow, Apache Spark

Projects

See Showcase on my Website: https://dan-swarts.github.io/super/

Data Mining, *Individual, Course Work*
Utilized Apache Spark and python to process a massive dataset on a resource-constrained machine. Employed modern data mining techniques to find similar itemsets and measure Jaccard similarity.

Web Automation, *Individual, Independent Work*
Used HTML, Python, and Json to create an automated system to take online quizzes with high accuracy. Researched techniques outside of coursework. Implemented multithreading to take multiple quizzes simultaneously. grocery spenders.

Computer Vision, *Group, Course Work*
Collaborated with my team to develop a C++ computer-vision algorithm for Canny Edge Detection, leveraging strong communication skills to ensure effective teamwork. Implemented an ensemble of 5 filters and established a streamlined pipeline to process images efficiently, demonstrating effective collaboration and problem-solving capabilities.