Derek Parker

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SUMMARY

Data Science Major with expertise in machine learning, web development, software engineering, and statistical analysis. Proficient in Python, Java, and HTML/CSS, with hands-on experience in engineering predictive models. Eager to apply dynamic skills, drive innovation, and tackle complex problems.

EDUCATION

Western Washington University | Bachelor's Degree 2022-2025
- Bachelor of Science in Data Science
- Mathematics Minor
- Active participant in Whatcom Coders Club and Data Science Club

South Puget Sound Community College | Associates Degree 2020-2022
- Running Start

PERSONAL PROJECTS

Personal Portfolio| HTML, CSS, JavaScript
- Engineered an interactive, visually appealing personal portfolio website
- Optimized performance through implementation of responsive design principles

Housing Market Prediction | Python, Pandas, Seaborn, Scikit-learn
- Pioneered a gradient boosting regression model for accurate housing price predictions
- Executed rigorous model evaluation, optimization, and visual analysis
- Charted and organized various graphs to analyze trends of the housing market, assessing the major impacts, seasonal changes, and unique features that impact pricing

Rebuilt NASA's APOD | Java
- Assembled a Java application using NASA APIs, resulting in displaying the daily photo, description, and tile in a GUI
- Utilized parsing techniques such as GSON to assemble and access APIs

SKILLS

Software: Proficient in Java, Basic C, HTML, CSS, Basic JavaScript, Python, Pandas, ML, Web Development, Git, Github, Basic mySQL, APIs

Mathematics: Strong foundation in Calculus I – III, Statistics, Linear Algebra

Relevant Coursework: Applied knowledge in OOP, OOD, Fundamental of Data Science, Data Structures, Computer Systems, Analysis of Algorithms