Hugh McCreery

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EDUCATION

COLORADO SCHOOL OF MINES, Golden, CO   May 2019
B.S., *magna cum laude*, Applied Mathematics - Statistics
Minor in Computer Science

EXPERIENCE

DATA SCIENTIST   July 2022 - Present
Sportradar, Remote

– Designed and maintained real-time player tracking data pipeline using Python.

– Worked with team members in improving code quality and reviewing merge requests.

– Investigated methods of identifying key elements of tracking dataset using R and Python.

– Created tool with Python and d3.js to clearly display player tracking data and associated features used to debug potential issues in dataset.

DATA SCIENTIST, BASEBALL ANALYTICS   May 2019 - July 2022
Baltimore Orioles, Baltimore, MD

– Used machine learning techniques in R and Python to convert player tracking data into metrics used in decision making.

– Create data pipelines using Python and Amazon SQS.

– Designed tools to help users access and analyze data through Django and React.

– Created interactive data visualizations with React and d3.js.

– Scraped and maintained a variety of 3rd party datasets with Python.

DATA SCIENCE DEVELOPER INTERN   Summer 2018
Arrow Electronics, Centennial, CO

– Created a proof-of-concept product recommender system using Python to improve relevance of current recommendations to customers.

– Analyzed inventory data with Python to improve resource management and predict slow moving inventory.

SKILLS

– Creating clean and maintainable code in Python and R (tidyverse)

– Providing clear visualizations of data using ggplot2 and d3.js

– Construction of machine learning models within tidymodels and scikit-learn

– Experience with relational (PostgreSQL) and non-relational (MongoDB) databases

– Creating professional documents in LaTeX

PROJECTS

NFL BIG DATA BOWL   January 2021
Used state-of-the-art player tracking data provided by the NFL to evaluate defensive skills and produced a shiny application to present results to potential decision makers.