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.