hugh.mccreery@gmail.com **Hugh McCreery** (720) 326-5513

EDUCATION

COLORADO SCHOOL OF MINES, Golden, CO — May 2019
B.S. Applied Mathematics - Statistics
Minor in Computer Science — Major GPA 3.72 — Cumulative GPA 3.70
Dean's List — Fall 2015 - Fall 2018

EXPERIENCE

BASEBALL ANALYTICS INTERN — Summer 2019 - Present
Baltimore Orioles, Baltimore, MD

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

- Experience using Agile techniques in a professional environment along with effectively meeting the needs of business users
- Created a proof-of-concept product recommender system using Python to improve relevance of current recommendations to customers
- Analyzed inventory data with Python to more effectively manage resources and predict slow moving inventory

STUDENT ASSISTANT - CONTROLLER'S OFFICE — Fall 2017 - Summer 2019
Colorado School of Mines, Golden, CO

- Assisting in maintenance of queries used in reporting
- Created training materials for Banner 9 implementation

SKILLS

- Use of Python and R in machine learning and big data applications
- Implementation of various numerical methods using MATLAB
- Object Oriented Design and Test-Driven Development using Java and C++
- Experience with relational (PostgreSQL) and non-relational (MongoDB) databases
- Creating professional documents in LaTeX

PROJECTS

CAPSTONE - OZONE POLLUTION — Spring 2019
Worked with members of NOAA to conduct research on a newly created dataset detailing global surface level ozone pollution. Worked to both examine the relationship between national economic growth and ozone pollution levels as well as using change point analysis to determine areas of significant pollution change.

DATA SCIENCE - STATCAST MODELLING — Spring 2018
Utilized MLB's new Statcast database alongside machine learning techniques in Python to model hit probabilities given the information on path of the ball and create a new metric for player performance

SPATIAL STATISTICS - MERCURY POLLUTION ANALYSIS — Fall 2018
Implemented kriging methods in R to analyze mercury pollution data from the NADP and predict locations with potentially problematic levels of pollution outside of the dataset.