

EDUCATION

COLORADO SCHOOL OF MINES, Golden, CO

May 2019 (Projected)

B.S. Applied Mathematics - Statistics

Minor in Computer Science

G.P.A 3.67

EXPERIENCE

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
- Performed initial work in R to model inventory costs using financial instruments to more effectively implement material resource planning

STUDENT ASSISTANT - CONTROLLER'S OFFICE

Fall 2017 - Present

Colorado School of Mines, Golden, CO

- Assisting in maintenance of database and queries
 - Data entry and organization of received files
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PROJECTS

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

MATHEMATICAL BIOLOGY - DIABETIC GLUCOSE DYNAMICS

Spring 2017

Examined existing models of insulin and glucose secretion in diabetics, introduced new parameters to more accurately represent the impact of diabetes on insulin-producing cells, and used MATLAB to examine the impacts of these new terms

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
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HONORS

- CSM Dean's List

Fall 2015 - Spring 2018

- Colorado Rockies Case Competition Finalist

Fall 2016