EXPERIENCE

Baseball Operations Fellow
Baltimore Orioles

📅 Mar 2020 – Present   📍 Baltimore, MD

- Solving modeling problems with a number of statistical and machine learning techniques, including Bayesian gamma hurdle regression, XGBoost and random forest classifiers, and nearest neighbor algorithms
- Applying industry knowledge to improve model performance

Research Intern
Federal Reserve Bank of St. Louis

📅 June 2019 – Aug 2019   📍 St. Louis, MO

- Prepared new data series from the BLS, IMF, and more for upload to FRED, using pandas for data wrangling
- Fit neural network and multinomial naïve Bayes models to apply correct descriptive tags to FRED series to improve search performance

Econometrics Teaching Assitant
Carleton College Department of Economics

📅 Mar 2019 – June 2019   📍 Northfield, MN

- Ran semiweekly sessions to help econometrics students master course material, improve their R and LATEX skills, and hone their statistical intuition.
- Helped students complete homework assignments and projects and prepare for exams
- Graded homework assignments

Statistics Lab Assistant
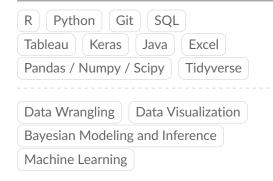**Carleton College Department of Mathematics**

📅 Sept 2018 – June 2019   📍 Northfield, MN

- Explained and walked through examples of concepts in statistics courses, including (but not limited to) data cleaning, hypothesis testing, exploratory data analysis and visualization, and modeling
- Worked with students on important R and debugging skills

Real Estate Risk / Data Science Intern
Northfield Information Services

📅 June 2018 – Aug 2018   📍 Boston, MA

- Completed everyday data wrangling, data visualization, and ARIMA modeling tasks for the real estate risk team in R (dplyr, tidyr, data.table, forecast, etc.)

SKILLS

R   Python   Git   SQL
Tableau   Keras   Java   Excel
Pandas / Numpy / Scipy   Tidyverse

Data Wrangling   Data Visualization
Bayesian Modeling and Inference
Machine Learning

LANGUAGES

English   ● ● ● ● ●

Spanish   ● ● ● ● ○

Swedish   ● ● ○ ○ ○

French   ● ○ ○ ○ ○

Portuguese   ● ○ ○ ○ ○

EDUCATION

B.A. Economics and Mathematics
Carleton College

📅 Sept 2016 – Nov 2019

Economics Thesis: *The Effect of Transit on Life Satisfaction: A Multilevel Modeling Exploration of Urban Happiness*

Mathematics Capstone: *Dynamic Linear Models and the Kalman Filter*

Choate Rosemary Hall

📅 Sept 2013 – June 2016

INTERESTS

Baseball   Browsing r/AskReddit
Cooking   Running   Minimalism
Skiing   Data Visualization
Fantasy Novels   Solo Travel
Nature & Architecture Photography