

Resume

Carson James
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Education

MS Mathematics, 2016-2018, Oklahoma State University, GPA: 4.0

BA Mathematics, 2013-2016, Oklahoma State University, GPA: 3.929

Experience

Industry:

-Love without Boundaries (May 2018 - present) I do basic business analytics to help management make informed decisions related to spending and the budget.

Research/Academic: I have research experience in the area of arithmetic dynamics (see thesis here: [link](#)). My personal interests are mostly in the area of probability and optimization. Currently I am picking up stochastic integration with respect to semimartingales and its applications to finance (see notes here: [link](#)).

Applied: I have experience with several statistical and mathematical analysis techniques. I have completed and am currently working on several mathematics, statistics and data science projects. Two current projects include analyzing stock prices to identify bull and neutral markets for options and stock trading using data pulled from the iex api (which relies on a mix of graph analysis, time series analysis, distribution fitting and montecarlo methods) and a credit risk modeling project using the Lending-Club data (which mostly involves regression analysis and classification using neural networks.) (see notebook here: [link](#)).

Programming: Most applied projects that I work on are implemented in Python. I'm familiar with various data analysis packages in python including numpy, pandas and matplotlib. If you are interested, you can see some of my code here: [link](#). I also know C and am familiar with several modules in the standard library. I am familiar with manipulating data via a database management system that utilizes SQL, preferably postgres.

Skills

Software:

-Python: numpy, pandas, matplotlib, scipy, statsmodels, pytorch

-C:

-SQL

-Latex

-Linux (Basic)

Languages:

English (native)

Spanish (fluent)

Other:

-Citizen of the Cherokee Nation