Benjamin H Greenawald

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Education

University of Virginia Data Science Institute, Charlottesville, VA   July 2017 - May 2018
M.S in Data Science, GPA: 3.981
- *Capstone Project:* Used deep learning methods to predict violence in value based groups in a manner that was language agnostic

University of Virginia College of Arts and Sciences, Charlottesville, VA   August 2014 - May 2017
B.A in Computer Science, B.A in Mathematics (Concentration in Probability and Statistics)
- *Graduated with Distinction, GPA: 3.847*
- *Intermediate Honors:* Awarded for being in the top 20% of GPAs at the completion of second year (Fall 2016)

Experience

CFA Institute, Charlottesville, VA   June 2016 - August 2016
Software Development Intern
- Developed machine learning proof of concept using C# and the .NET framework
- Worked in an agile team to complete summer long project pertaining to automated text classification

University of Virginia, Charlottesville, VA   January 2016 - May 2018
Teaching Assistant
- Worked as a TA for CS 2110: Software Development Methods
- Responsibilities included holding office hours, grading, and proctoring a lab section

University of Virginia, Charlottesville, VA
Mathematics Tutor   August 2015 - May 2018
- Tutored for mathematics department in single variable calculus
- Have also tutored differential equations, multivariable calculus, and probability

Skills/Languages/Certifications

- Python, R and the Rcpp extension, Java, SQL, C# and the .NET framework
- Operating Systems: Windows 8/10, and Ubuntu Linux
- AWS Developer Associate Certification (Valid: June 2018 - June 2020)
- Google Cloud Professional Data Engineer Certification (Valid: June 2018 - June 2020)

Projects

Machine Learning Work Experience: June 2016 - August 2016
- A summer-long project during a software development internship at the CFA Institute
- Sole developer but collaborated closely with the relationship management intern to research, design, implement, and present a proof of concept application that used machine learning on text classification to automate a business process
- Worked within the .NET framework, developing in C# and the Accord Machine Learning framework
- The algorithms used were Naive Bayes, k-nearest neighbors, and support vectors machines

projmanr: August 2017 - Present
- An ongoing independent study project in collaboration with a professor at the UVA Darden Business School to develop a set of project management tools in R
- Sole developer and maintainer for the package which utilizes the Rcpp extension (to integrate C++ and R)
- The package is currently available on the Comprehensive R Archive Network (CRAN)