Benjamin H Greenawald

bgreenawald@gmail.com • 540-520-0926

Education

University of Virginia Data Science Institute, Charlottesville, VA July 2017 - May 2018
M.S in Data Science, GPA: 3.981

- *Capstone Project:* Using deep learning methods to predict violence in value based group in a manner that is 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 - Present
Teaching Assistant

- Work as a TA for CS 2110: Software Development Methods
- Responsibilities include holding office hours, grading, and proctoring a lab section

University of Virginia, Charlottesville, VA
Mathematics Tutor August 2015 - Present

- Tutor for mathematics department in single variable calculus
- Previously tutored differential equations, multivariable calculus, and probability

Skills/Languages/Certifications

- Python and the Django framework, R and the Rcpp extension, Java, SQL, C# and the .NET framework
- Operating Systems: Windows 8/10, and Ubuntu Linux

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 using 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)

Coding projects can be found at https://github.com/bgreenawald
Personal website can be found at https://bgreenawald.github.io/