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# Benjamin H Greenawald

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## Education

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**University of Virginia Data Science Institute**, Charlottesville, VA Expected May 2018  
*M.S in Data Science*

- *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 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

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**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 August 2015 - Present  
*Mathematics Tutor*

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

## Skills/Languages/Certifications

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

## Projects

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**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 language extension (to integrate C++ and R)
- The package is currently available on the Comprehensive R Archive Network (CRAN)