

# Terrance Lee Taubes

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## EDUCATION

*The George Washington University, Washington, DC*

Bachelor of Science in Computer Science, Data Science & Analytics

*May 2018*

Most Recent GPA: 3.60

Cumulative GPA: 3.30

### *Relevant Coursework:*

- |                                                       |                                    |                                             |
|-------------------------------------------------------|------------------------------------|---------------------------------------------|
| ❖ Data Science                                        | ❖ Algorithms                       | ❖ Database Systems & Team Projects          |
| ❖ Big Data & Analytics                                | ❖ Software Engineering             | ❖ Python Programs and Database Applications |
| ❖ Introduction to Statistical NLP                     | ❖ Foundations of Computing         | ❖ Management Information Systems Technology |
| ❖ Machine Learning                                    | ❖ Probability for Computer Science | ❖ Linear Algebra                            |
| ❖ Understanding Machine Learning and its Applications | ❖ Operating Systems                | ❖ Discrete Structures I & II                |
| ❖ Statistical Computing Packages                      | ❖ Systems Programming              | ❖ Calculus I & II                           |
| ❖ Regression Analysis                                 | ❖ Computer Architecture            |                                             |
|                                                       | ❖ Capstone Design Project II       |                                             |

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## TECHNICAL SKILLS

- ✓ *Languages:* Python - Java - R - SQL - Octave - PHP - C
- ✓ *Big Data:* HDFS - MapReduce - Spark
- ✓ *Front-End Development:* Django - HTML/CSS - Sass - JavaScript - jQuery - AngularJS
- ✓ *Operating Systems:* Linux - Windows - macOS
- ✓ *Software:* SAS - Excel - Git - Photoshop - 3D Modeling & Animation in Maya
- ✓ *Strengths:* Data Science and Analytics - Big Data - Machine Learning - Natural Language Processing

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## RELEVANT PROJECTS

*CAPITAL Tools for Adult Literacy*

*August 2017 - Present*

Software Developer

- ❑ CAPITAL is a mobile and web-based application designed to teach adult literacy by offering courses focusing on early literacy skills and reading comprehension.
- ❑ Designing the algorithms contained within the Teacher back-end that are able to generate various types of reading comprehension questions based on uploaded text, as well as algorithms that are able to analyze questions and suggest revisions according to the specified grade level.
- ❑ Implements a full front-end interface that connects to the question-storing database and allows teachers to upload passages, generate and edit questions, and organize questions into exercises, lessons, and courses.

*LSA-based Information Retrieval Application*

*August 2017 - Present*

Software Developer

- ❑ A self-contained research tool that allows users to upload large directories of documents to be processed and searched within, using latent semantic analysis to find high-quality semantic relations between different text.
- ❑ Designed to return to users the documents they have grouped for retrieval in order of highest relevance to the search query, determined by extracting underlying semantic meaning behind queries and documents to be used for more accurate comparison.

*Yelp Business Recommendation System*

*March 2017 - June 2017*

Data Scientist / Software Developer

- ❑ Self-built recommendation system constructed from over one million user reviews and ~500 thousand user profiles from Yelp to generate rating predictions for Yelp-registered businesses.
- ❑ Completely manual-built machine learning regression model without the use of external machine learning packages.

GitHub: [terrytaubes](https://github.com/terrytaubes) -- Portfolio: [terrytaubes.github.io](https://terrytaubes.github.io) -- LinkedIn: [www.linkedin.com/in/terrance-taubes](https://www.linkedin.com/in/terrance-taubes)