

# Terrance Lee Taubes

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## EDUCATION

*The George Washington University, Washington, DC*

*May 2018*

Bachelor of Science in Computer Science

Most Recent GPA: 3.77

*Focus in Data Science, Big Data Architecture, and Database Design*

Cumulative GPA: 3.35

### Relevant Coursework:

- |   |   |                                    |
|---|---|------------------------------------|
| ❖ Data Science **                                     | ❖ Data Warehousing & Analytics **           | ❖ Algorithms                       |
| ❖ Big Data & Analytics **                             | ❖ Relational Databases **                   | ❖ Software Engineering             |
| ❖ Introduction to Statistical NLP **                  | ❖ Database Systems & Team Projects          | ❖ Foundations of Computing         |
| ❖ Machine Learning                                    | ❖ Management Information Systems Technology | ❖ Probability for Computer Science |
| ❖ Understanding Machine Learning and its Applications | ❖ Capstone Design Project II                | ❖ Linear Algebra                   |
| ❖ Regression Analysis                                 |   | ❖ Discrete Mathematics I & II      |
|   |   | ❖ Calculus I & II                  |

\*\* Graduate Course

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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 - JavaScript - jQuery - AngularJS
- ✓ *Operating Systems:* Linux - Windows - OS X
- ✓ *Software:* SAS - Tableau - Excel - ArcGIS - MySQL - Git - Photoshop - Maya
- ✓ *Strengths:* Data Analytics - Big Data - Natural Language Processing - Statistical Analysis

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## RELEVANT PROJECTS

*LSA-based Research Tool for Information and Document Retrieval*

*August 2017 - Present*

Computational Linguistics / Software Developer

- ❑ Individually designed research tool that allows users to upload large directories of documents and use latent semantic analysis and with additional data mining techniques to find high-quality semantic relations for accurate document retrieval.
- ❑ Candidate text can be either manually added to the file system or extracted using the user interface, which utilizes the Wikipedia API to download entire collections of documents using a desired topic word and then extracts the text from the linked and relevant Wikipedia pages.

*CAPITAL Tools for Adult Literacy*

*August 2017 - Present*

Software Developer / Natural Language Processing Engineer

- ❑ CAPITAL is a mobile and web-based application designed to teach adult literacy by offering courses focusing on early literacy skills and reading comprehension.
- ❑ In charge of designing the algorithms used to generate various types of reading comprehension questions based on uploaded passages, in addition to designing algorithms that are able to analyze question difficulty and suggest revisions according to specified grade levels.

*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.