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: 3.60
                                                                     Cumulative GPA: 3.30

Relevant Coursework:

- Data Science
- Big Data & Analytics
- Intro to Statistical NLP
- Machine Learning
- Understanding Machine Learning and its Applications
- Database Systems & Team Projects
- Applications of Mathematical Programs
- Software Engineering
- Algorithms
- Foundations of Computing
- Operating Systems
- Systems Programming
- Computer Architecture
- Management Information Systems Technology
- Probability for Computer Science
- Regression Analysis
- Linear Algebra
- Discrete Structures I & II
- Calculus I & II
- Concepts & Applications of Computer Graphics

TECHNICAL SKILLS

- ✓ *Languages*: Python - Java - R - Octave - PHP - C
- ✓ *Front-End Development*: HTML/CSS - Sass - JavaScript - jQuery - AngularJS
- ✓ *Operating Systems*: Windows - Linux - Mac OS
- ✓ *Database Systems*: SQL - MySQL - SQLite
- ✓ *Additional*: Hadoop & MapReduce - SAS - Git - Excel - Photoshop - 3D Modeling & Animation in Maya
- ✓ *Strengths:* Data Science and Analytics - Data Mining and Processing - Natural Language Processing

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 for specified grade levels, and that are able to analyze questions and suggest revisions.
- ❏ 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 businesses.
- ❏ Completely manual-built machine learning regression model without the use of external machine learning packages.