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David Currie

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Education

Udacity - *Artificial Intelligence Nanodegree* (Term 1, Term 2)   *May 2017 - September 2017*

Udacity - *Deep Learning Nanodegree Foundation* (Syllabus)   *January 2017 - May 2017*

Udacity - *Data Analyst Nanodegree* (Syllabus)   *August 2016 - October 2016*

McGill University - *Bachelor of Commerce*   *September 2010 - May 2014*

Award: Mobility Award for excellent academic standing while participating in an exchange program.

Skills

- Languages: Python, R, SQL, Hive, D3.js, HTML, CSS.
- Software: Excel, Tableau, Amazon Web Services, FloydHub.
- Spoken Languages: German (conversational), French (intermediate).

Projects

Spell Checker - https://github.com/Currie32/Spell-Checker   *May 2017*
- Built a seq2seq model, using TensorFlow, that receives a sentence with spelling mistakes as input and outputs the same sentence, but with the mistakes corrected.
- Using twenty books from Project Gutenberg, probability is used to add mistakes to sentences; characters can be removed, added, or placed in an incorrect location.
- Grid search is used to find optimal hyperparameter values and TensorBoard is used to compare the performance of each iteration of the model.

Text Summarization - https://github.com/Currie32/Text-Summarization-with-...   *May 2017*
- Used TensorFlow to build a seq2seq model that can generate summaries of Amazon product reviews based on the titles and descriptions of other reviews.
- To improve the accuracy of the model, ConceptNet Numberbatch's pre-trained word vectors, and Bahdanau attention were added to the model.

Tweet Like Trump - https://github.com/Currie32/Tweet-Like-Trump   *April 2017*
- A one2seq model that was created using TensorFlow.
- Users can generate their own Donald Trump style tweets from either their own unique input sentence or an integer which will have a similar value to tweets of the intended style.
- Tweets were ordered by style using GloVe's Twitter embeddings to determine their context and Principle Component Analysis to create a single-value input for each tweet.

Experience

Project Reviewer   *January 2017 - Present*
Udacity; Remote - Freelance
- Consistently earned 5-stars for reviews by providing specific feedback, links to informative material, and encouraging comments to help students complete their deep learning projects.

Division Leader   *June 2016 - August 2016*
Timber Lake Camp; Shandaken, New York
- Coordinated with counsellors to help campers make and keep friendships via organized activities, resulting in 100% re-enrolment of the division's twenty-eight campers.
- Coached and challenged counsellors to improve their talents, which helped eight out of the division's eleven counsellors earn the highest evaluation grade.