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David Currie

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Education

Udacity - *Data Analyst Nanodegree*   *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.

University of Mannheim - *International Exchange Program*   *August 2012 - June 2013*

Skills

- Languages: Python, R, SQL, JavaScript, D3.js, dimple.js, HTML, CSS.
- Software: Excel, Tableau, RStudio.
- Spoken Languages: German (conversational), French (intermediate).

Projects

How Bilingual Is Canada? - https://currie32.github.io/canada-data-vis/index.html   *October 2016*
- Created an interactive data visualization using d3.js to help viewers understand where and how many Canadians speak English, French, or neither of the two official languages.
- Used feedback from family and friends, and research to improve the visualization with numerous iterations.

Identify Fraud from Enron - https://github.com/Currie32/Identify-Fraud-From-Enron   *October 2016*
- Cleaned, analyzed, and added new features to the data to improve the quality of the machine learning.
- Validated the results using test data and evaluated them using Precision, Recall, and F1.
- Maximized the performance by comparing five different algorithms and tuning their features.

Analyzing Red Wine - https://github.com/Currie32/Analyzing-Red-Wine   *September 2016*
- Performed Exploratory Data Analysis (EDA) using R to understand the distribution of variables and the relationships between variables.
- Quantified variables using summary statistics and correlation, as well as visualized variables using histograms, scatterplots, boxplots, and regression lines.
- Created a linear model that could predict 37.9% of the quality of wine (hint: more alcohol seems to be best).

OpenStreetMap: London - https://github.com/Currie32/OpenStreetMap-London   *September 2016*
- Cleaned the data using python by assessing for validity, accuracy, completeness, consistency and uniformity.
- Used SQL to query and aggregate the main features of the data.

Experience

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.

Administrative Director   *September 2010 - June 2014*
McGill University, Baja SAE; Montreal, Canada
- Award: Designed and co-presented the 2nd Place Sales Presentation at the 2014 SAE Kansas Competition.
- Improved cashflow tracking to know real-time account balances and help guide sponsorship strategy.
- Forecasted expenses with Excel to maximize team attendance at competitions and finish the year at budget.