CAIO BRIGHENTI

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EDUCATION & HONORS

Colgate University, Hamilton, NY   2016–2020

Bachelor of Arts, Double Major in Computer Science and Peace & Conflict Studies, GPA: 4.02/4.0

- Elected by a faculty committee as one of 14 Phi Beta Kappa members in recognition of academic achievement.
- Recipient of the George W. Cobb Fellows and Charles Dana Scholars awards, both recognizing outstanding leadership and academic performance.
- Relevant courses: Data Analysis I (A+), Data Analysis II (A), Data Theory (A+), Probability (A)

Coursera, *Machine Learning & Neural Networks and Deep Learning Course Certifications*   2018

- Completed an 11-week Stanford University machine learning course with a 93.7% course grade.
- Completed 4-week deep learning course by deeplearning.ai with a 96.5% course grade.

DATA SCIENCE PROJECTS

NFL 2020 Data Bowl   December 2019-February 2020

- Selected as one of six finalists in a data analytics competition organized by the NFL open to undergraduate and graduate students.
- Leveraged novel player tracking dataset to predict play outcomes using a bivariate Gaussian field control model.
- Presented results to over 150 NFL staff, team representatives, and media members at the 2020 NFL Combine.

Modeling Workplace Culture   June 2019-present

- Collaborate with Colgate University and MIT professors to analyze and model workplace culture using a large dataset of workplace ratings paired with age, gender, job title, and over a hundred text factors.
- Apply predictor importance metrics to ordered logistic regression models in order to identify the most important and impactful aspects of workplace culture across different groups.

[Fake News Detection: Towards an Interpretable Approach](Fake News Detection)   Summer 2019

- Conducted independent undergraduate research on the textual and semantic properties of misinformation.
- Applied data mining and natural language processing techniques to construct a data set consisting of labeled articles along with hand-crafted text features from a collection of fake and real article links.
- Used logistic regression to fit a series of interpretable models and leveraged these models to reach novel conclusions regarding fake news.

WORK EXPERIENCE

NY6 Data Science Collaboratory   August 2019-present

Data Science Intern

- Develop RShiny applications to facilitate data analysis and modeling for researchers without statistical training.
- Collaborate with a small team to provide consultation and support in statistical methodology as well as data mining, manipulation, and visualization for researchers.

Colgate Maroon-News   March 2018–present

Staff Writer

- Write in a weekly tech-focused opinion column for the university newspaper with a circulation of 2,250.

SKILLS & INTERESTS

Programming and Scripting: R, Python, Javascript, C#, SQL, HTML/CSS, C.

Packages, Libraries, and Tools: Git, dplyr, ggplot2, TensorFlow, numpy, pandas, matplotlib, coreNLP.

Languages: Spanish (fluent), Portuguese (fluent), French (intermediate)

Areas of Interest: Sports analytics, natural language processing,, statistical social science.