

CAIO BRIGHENTI

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Portfolio: caiobrighenti.github.io/

EDUCATION & HONORS

Colgate University, Hamilton, NY

2016–2020

Bachelor of Arts, Double Major in Computer Science and Peace & Conflict Studies, GPA: 4.01/4.0

- Member of Benton Scholars, a program preparing world leaders for success in a global 21st century
- Recipient of the George W. Cobb Fellows Award, an award recognizing outstanding leadership and influence, and selected as a Charles Dana Scholar for superior academic achievement and demonstrated leadership.
- Relevant courses: Data Analysis I (A+), Data Analysis II (A), Data Theory (ongoing)

Coursera, [Machine Learning](#) & [Neural Networks and Deep Learning](#) Course Certifications

2018

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

DATA SCIENCE PROJECTS

[Modeling Workplace Culture](#)

June 2019-present

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

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

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 and data mining and manipulation for researchers.

Colgate University Innovation Fellows

August 2016-present

Innovation Fellow, Course Designer & Instructor

- Developed a course proposal and outline for a design thinking course that became officially offered at Colgate University.
- Collaborate with a small team of students, faculty, and staff to design and implement innovative initiatives on campus such as quick idea generation, program enhancement, and pre-orientation programming.

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: Python, R, Git, LaTeX, Javascript, C#, HTML/CSS.

Packages, Libraries, and Tools: dplyr, ggplot2, tidyverse, pandas, matplotlib, numpy, caret, coreNLP.

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

Areas of Interest: Natural language processing, statistical social science, sports analytics.