

# Roberto Gobbetti

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## EXPERIENCE

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- Insight Data Science Fellow** - New York Jan 2017 - Present
- *What happened there?* ([bit.ly/2lxTEal](http://bit.ly/2lxTEal)) : Developed a dashboard to match Wikipedia page traffic spikes with relevant news stories.
  - Wrote well structured Python code, stored data using SQL and deployed the application on AWS.
  - Used API's from several sources to retrieve data and NLP to extract the most relevant news articles.
- Postdoctoral Research Fellow** - Amsterdam & Utrecht Universities, the Netherlands 2014 - 2016
- Developed a String Theoretical model to explain the origin of the universe and early Cosmology.
  - Used Random Matrix Theory to estimate the probability for our universe to exist within the String Theory multiverse.
- Faculty Adjunct - Research Assistant** - NYU, New York 2009 - 2014
- Taught both entry level and advanced undergraduate courses.
  - Co-authored several papers in top peer reviewed publications.

## PROJECTS

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- **NYC Cabs** - Developed a model to dispatch NYC Taxi drivers to accommodate demand and maximize hourly income ([bit.ly/1Vzi0iH](http://bit.ly/1Vzi0iH)).
- **Election Words - Congress Words** - Scraped the web and used API's to create an interactive map highlighting state by state the topics that best correlate with re-election to congress ([bit.ly/1owB2Cr](http://bit.ly/1owB2Cr)). Also created a map depicting frequency of topic discussion by state ([bit.ly/2lzGNVM](http://bit.ly/2lzGNVM)).

## EDUCATION

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- Ph.D. in Physics** - NYU, Center for Cosmology and Particle Physics, New York 2014
- M.Sc. in Theoretical Physics** - University of Pavia & SISSA, Trieste, Italy 2008
- B.Sc. in Physics** - University of Pavia, Italy 2006

## SKILLS & INTERESTS

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### Technical skills

- **Programming:** Python, SQL, Mathematica, html/CSS, JavaScript
- **Tools:** Git, Pandas, scikit-learn, AWS, D3

**Languages** - Italian (native), English (fluent), Spanish (basic)

**Media and Entertainment** - Scientific adviser for Italian Sci-Fi series "I 7 giorni della fine del mondo" (in pre-production)