

MATTEO ZULLO, PHD CANDIDATE

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| [LinkedIn](#)

EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY & GEORGIA STATE UNIVERSITY (GPA: 3.95/4.00)

Aug 2017-Aug 2022, exp.

Phd in Public Policy, Major: Computational Social Sciences

Atlanta, USA

- Dissertation title: *Essays in Education Policy: Effects of Georgia State's Learning Analytics Program on Student Outcomes*

GEORGIA INSTITUTE OF TECHNOLOGY (GPA: 3.94/4.00)

Aug 2019-Dec 2021

MS in Data Analytics, Major: Computational Data Analytics

Atlanta, USA

- Selected into CREATE-X's Startup Launch 2021 with Time History App featuring interactive timeline of world history
 - Beta tested through Amazon Mechanical Turk information retrieval task: 50% of users managed to locate end of Roman Empire using the timeline relative to 30% of competitor map which relies on textual display of information

FREE UNIVERSITY OF BOZEN-BOLZANO (Honours)

Oct 2014-Mar 2017

MS in Economics & Management, Trilingual program English-German-Italian

Bozen, Italy

- Dean's List Award: Best Students of the Academic Year 2014-2015 (GPA in top 1% of the department)
- Founder of first student association Better Unibz (2015-existing) and elected student speaker for Academic Senate (2016-2017)

VITA-SALUTE SAN RAFFAELE UNIVERSITY (Honours)

Oct 2011-Jul 2014

BS in History & Philosophy

Milan, Italy

- 'Cum Laude' award to one of the few freshmen nationwide with perfect high school GPA of 10.00/10.00 (amount: \$1,000)

RESEARCH & TEACHING

Research Assistant, Data Science & Policy Lab at Georgia Tech (Atlanta, USA)

Mar 2019-ongoing

- Lead developer of model used by the National Academies of Sciences to classify downloads of reports from their website
 - The neural network model classifies downloads in 64 user categories with accuracy of ~85% and beats human experts
 - Relevant publication: Hicks, D., Zullo, M., Doshi, A., Asensio O. I. (2022). Widespread Use of National Academies Consensus Reports by the American Public. *Proceedings of the National Academies of Science*.
- Member of National Science Foundation's EFRI grant to reduce single-use plastic waste in the environment (amount: \$2 mln)
 - Led and trained team of 4 undergrads to annotate 25K Twitter posts about plastic bag bans and fees as positive or negative
 - Ran event study to show that bans attract 2x negative sentiment relative to fees while reducing waste by similar amount

Instructor & Researcher, Public Policy & Management dept. at Georgia State University (Atlanta, USA)

Aug 2017-ongoing

- Principal investigator for study on foreign students in collaboration with German Academic Exchange Service (DAAD)
 - Estimated that tuition fee re-introductions have had statistically insignificant effects on enrollment for most German states
 - Relevant publication: Zullo, M., Churkina, O. (2021). A Quasi-Experiment in International Student Mobility: Germany's Fee Re-introductions. *European Journal of Higher Education*, 1-21. <https://doi.org/10.1080/21568235.2021.1983451>
- Instructor for PMAP4061 Policy Evaluation (Fall '21) and TA for PMAP8431 Leadership & Organizational Behavior (Spring '18-'19)
 - Rated an average of 4.9 on "The instructor was prepared for class", 4.8 on "The instructor communicated effectively", and 4.9 on "The instructor was accessible to students" by 25 undergraduate students in PMAP 4061 (out of 5).

WORK EXPERIENCE

PROTIVITI INC.

Aug 2020 - Dec 2020

Consultant, Team Technology Consulting

Milan, Italy

- *Process Mining*: Analysis of SAP log data from European supply chain of automotive manufacturer Fiat Chrysler Automobiles
 - Optimized middle mile deliveries from two of the company's assembly sites in Poland and Turkey leading to reduction in customer lead time of about 10% across four different car models
- *Compliance Audit*: Business automation for audit of Aruba network providers of electronic signature services (20+ auditors)
 - Automated compilation of consultant generated audit minutes into PDF reports cutting production time from an average of about 15 minutes/report to less than 2 minutes worth of proofreading

FRAUNHOFER SOCIETY LLC.

Jan 2017 - Jul 2017

Research Scientist, Team Business Modelling

Bozen, Italy

- *Business Modelling*: Development of revenue model for the first pizza vending machine "Let's Pizza" with one other team
 - Estimated break-even price of about \$3.5 per pizza with target breakeven point of one year/machine
 - Recommended the Chinese market as target based on machine failure rate, ingredient costs, maintenance, and local taste
- *Grant Writing*: Author of grant proposal to the European Investment Fund on behalf of the Agency for South Tyrol Energy
 - Calculated optimal tax incentive to set South Tyrol's energy use on course to achieve carbon-neutrality by year 2050
 - Distributed surveys and ran interviews with 30+ building supply companies in the two official languages Italian and German

IT AND LANGUAGE SKILLS

IT Python, R, STATA, SQL, D3.js, Scala, Arena, Azure, Tableau, Linux, LaTeX, HTML/CSS

Languages English (professional proficiency), Italian (native), German (conversational)

INTERESTS AND OTHER ACTIVITIES

- *Nonfiction writing*: Blog for [Towards Data Science](#) and green-lit for publication of book 'The Skill Gap' with New Degree Press
- *Volunteering*: Managed inventory at Oxfam Covent Garden, London - Summer 2016
- *Policy-making*: Participated in Model European Union Strasbourg (MEUS) 2016 simulation of EU law-making process