

GabrielMichael

contact

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Email

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Web

www.gabrieljmichael.com

LinkedIn

linkedin.com/in/gjmichael

GitHub

github.com/langelgjm

programming

Python

R

SQL

Bash + regex

VBA

skills

Linux

AWS

pandas

scikit-learn

luigi

NLP/NLTK

ggplot2

shiny

exposure

NoSQL

Django

JavaScript

CoreNLP

C

languages

French (CEFR B2)

Spanish (CEFR B1)

experience

- 2015–Now **SCHIRESON ASSOCIATES** New York, NY & Boston, MA
Manager, Data Science (2017–Now)
- Subject matter expert for an industry-wide effort to standardize data-driven television advertising audience measurement
- Developed concurrent and parallel ETL pipelines for processing daily television viewing data
- Collaborate with software engineers in an Agile environment; conduct code reviews; interview, manage and mentor junior data scientists/engineers
Consultant, Data Science (2015–2017)
- Trained/tested genetic algorithm on hundreds of gigabytes of web data to optimize the reach of a Fortune 500 consulting client's marketing mix
- Developed, tested, and productized machine-learning television commercial placement models for a Fortune 500 media client
- Designed, implemented, and maintained an internal data infrastructure using multiple AWS products (EC2, S3, RDS, ECS, Redshift, etc.)
- 2015 **INSIGHT DATA SCIENCE** New York, NY
Fellow
- Created *Can I Solar?*, a full-stack Python/Flask web application to help individuals assess the costs/benefits of home solar power
- Built time-series forecasts of electricity prices and linear models of installation costs in R
- Integrated multiple public datasets using MySQL & MongoDB
- 2014–2015 **YALE LAW SCHOOL** New Haven, CT
Postdoctoral Associate & Resident Fellow
- Developed classifiers for imbalanced datasets of millions of public comments submitted to federal agencies using the NLTK package in Python
- Received \$15,000 grant to extend this research to additional topics; article on measuring changes in public opinion using social media datasets forthcoming
- 2012–2014 **GEORGE WASHINGTON UNIVERSITY** Washington, DC
Doctoral Candidate & Lecturer
- Identified causal factors in the global spread of intellectual property laws using survival regression; results published in academic journal
- Used multidimensional scaling and network graphs to visualize and analyze ongoing trade negotiations; research featured in *The Washington Post*
- Used probit regression to model a regulatory process and successfully predict future outcomes; results published in academic journal
- Developed and taught political science and international affairs classes
- 2012–2014 **U.S. CENSUS BUREAU** Washington, DC
Statistician
- Developed spreadsheet models and in-house tools using SQL, R, Excel, and VBA to aid in trend analysis and editing of large-scale survey responses
- Worked with federal contractors to make survey data available to the public using open-source tools 2 years ahead of schedule
- 2009–2012 **MARYLAND PUBLIC POLICY INSTITUTE** Rockville, MD
Fellow
- Researched and wrote annual policy reports on state legislative activity, as well as multiple policy briefs on financial and economic issues
- Testified before state legislature; engaged in radio and newspaper interviews

education

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|------|-----------------------------------|--|
| 2014 | Ph.D. in Political Science | The George Washington University, Washington, DC |
| 2012 | M.A. in Political Science | The George Washington University, Washington, DC |
| 2009 | M.A. in Religion | Yale University, New Haven, CT |
| 2007 | B.A. in Government | University of Maryland, College Park, MD |

publications

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|-------------|--|---|
| Forthcoming | The Economic Theology of Intellectual Property | in <i>The Routledge Handbook of Economic Theology</i> , New York: Routledge |
| 2018 | The Bully Pulpit, Social Media, and Public Opinion: A Big Data Approach | <u>J. of Information Technology & Politics 15:3, 262-277</u> |
| 2016 | International Coercion and the Diffusion of Regulatory Data Protection | <u>J. of World Intellectual Property 19:1, 2-27</u> |
| 2015 | Who's Afraid of WikiLeaks? Missed Opportunities in Political Science Research | <u>Review of Policy Research 32:2, 175-199</u> |
| 2014 | Politics and Rulemaking at the Copyright Office | <u>J. of Information Technology & Politics 11:1, 64-81</u> |
| 2014 | Intellectual Property and Jewish Ethics | in <i>Cultures of Copyright</i> , New York: Peter Lang |
| 2010 | Catholic Thought and Intellectual Property | <u>J. of Law & Religion 25:2, 415-451</u> |

community

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| 2018 | ENGLISH OPENS DOORS / INGLES ABRE PUERTAS | La Serena, Chile <i>Volunteer English Teacher</i> - Independently taught 5th through 10th grade conversational English in an immersive environment to over 250 Chilean public school students for a semester |
| 2015–2017 | INSIGHT DATA SCIENCE | New York, NY & Boston, MA <i>Alumni Mentor</i> - Provided project feedback, technical guidance, and conducted mock interviews for recent Ph.Ds and postdocs transitioning to non-academic careers in data science |
| 2016–2017 | YALE DAY OF SERVICE | Newark, NJ & Boston, MA <i>Annual Volunteer</i> |
| 2015 | DATAHAVEN | New Haven, CT <i>Volunteer Data Analyst</i> - Analyzed Greater New Haven community survey results to identify factors predictive of well-being using lasso and ordinal logistic regression in R - Prototyped a Shiny web app to illustrate how DataHaven might communicate complex survey results to the general public |