Jesse Galef

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https://github.com/JesseGalef/Portfolio

PROJECTS:

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- Quantifying the 'Trumpiness' of Political Speech Using Natural Language Processing
- Evaluating NFL Play Calling Predictability - Controlling for Multiple Non-Linear Confounding Variables Using Inverse Probability of Treatment Weighting
- Using Bayesian Inference and Probabalistic Programming to Compare Options

SKILLS:

- Python, MATLAB, JavaScript, HTML, CSS
- Machine Learning, Natural Language Processing, Probabilistic Programming, Bayesian Statistics
- Pandas, Numpy, Scikit-Learn, NLTK, Spacy, BeautifulSoup, Pymc3, Seaborn, Matplotlib, D3

EDUCATION:

University of North Carolina at Chapel Hill
B.A. with Distinction in Political Science,
Minor in Computer Science, May 2008

PROFESSIONAL TRAINING:

General Assembly - Boston Data Science Cohort 8
Coursera - Machine Learning Certificate

EXPERIENCE:

General Assembly   Apr. 2016 – Feb. 2017
Data Science Instructor/Teaching Assistant, Boston Cohorts 11 & 14

- Taught students key data science concepts and Python programming techniques
- Troubleshot student projects in class and as part of grading assignments

Independent Contractor   Oct. 2014 – Present

Spark Wave, New York, NY
- Researched and tested neural net architectures to improve data imputation processes

Machine Intelligence Research Institute, Berkeley, CA
- Integrated Google Analytics into website using PHP in order to recommend changes to boost workshop signups and paper downloads
- Organized logistics for workshop series, coordinating 50 researchers from around the world

Future of Life Institute, Cambridge, MA
- Directed and organized press event explaining future of machine learning to top tech journalists
- Assisted allocation of $10 million research grant program to 37 machine learning projects
- Wrote scripts integrating Google Forms, Google Sheets, and organization website

Centre for Effective Altruism, Oxford, UK
- Led strategic planning to define metrics to quantify impact of grassroots program
- Gave public talks on making evidence-based charitable decisions

Humanist Community at Harvard, Cambridge, MA   Feb. 2014 – Sep. 2014
National Community Coordinator

Secular Student Alliance, Columbus, OH   Feb. 2010 – Jan. 2014
Communications Director

- Directed media strategy, generating coverage in outlets including The New York Times, Washington Post, The Atlantic, and CNN
- Ran workshops training over 200 grassroots leaders to generate positive coverage in their local media
- Created new company website using PHP, HTML, and CSS to modify Drupal theme
- Wrote and applied VBA and SQL script to identify similar entries in CMS database, preventing hundreds of duplicate mailings
- Set metrics and strategic planning goals as a member of the director-level staff

Secular Coalition for America, Washington, DC   Jun. 2009 – Oct. 2009
Communications Associate
- Directed media strategy, representing the organization in interviews and speaking engagements
- Assisted in design and construction of new company website using PHP, HTML, and CSS
- Lobbied members of Congress and staffers on evidence-based policy making

American Humanist Association, Washington, DC   Jun. 2008 – May 2009
Communications Intern, Web Content Manager & Public Affairs Associate
- Organized website content with HTML and CSS to create more visually appealing and intuitive UI
- Drafted press releases and outgoing communications to members

VOLUNTEER EXPERIENCE:
Reason Rally, Washington, DC   Feb. 2012 – Mar. 2012
Publicity Director - Volunteer
- Directed publicity for and spoke at event on National Mall attracting 20,000 attendees and coverage in outlets including The Washington Post, USA Today, and Fox News
- Conducted national media interviews and gave a public speech representing my employer
- Created and monitored Facebook Ad campaign, constructing A/B testing

Humanist Community of Central Ohio, Columbus, OH   Dec. 2010 – Jan. 2012
Board of Directors