David Azizi

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4516 Springfield Ave. 2R, Philadelphia, PA 19143

Education

University of Pennsylvania, College of Arts and Sciences   Philadelphia, PA
Bachelor of Arts in Political Science
Minor: Survey Research & Data Analytics
Relevant Coursework: Causal Inference; Probability; Business Stat.; Stat. Methods for Political Science; Political Polling

Temple University, Fox School of Business   Philadelphia, PA
Non-Degree Coursework   May 2017 - Dec 2017
Relevant Coursework: Quant. Found. for Data Science; Intro. to … Python; Linear Algebra; Management Info. Systems

Data Science Experience

Hopkins Lab, University of Pennsylvania   Philadelphia, PA
Research Coordinator   Sep 2019 - Present
- Apply Latent Dirichlet Allocation topic modeling to state & national party platforms to analyze nationalization
- Developed pipeline to conduct Collaborative Kentucky Exit Poll 2019; enhance the pipeline for PA primary poll
- Construct instruments for panel surveys and experiments; analyze resulting data
- Conduct statical analyses, write up results, and contribute to associated academic papers and FiveThirtyEight articles
- Coordinate code, data, and assignments for a team of undergraduate research assistants

The Context   Philadelphia, PA
Research Assistant   Jun 2019 - Sep 2019
- Developed AWS-hosted data pipeline and interactive dashboard exploring different measures of polarization

Penn Program on Opinion Research and Election Studies   Philadelphia, PA
Fox Research and Service Fellow   May 2018 - May 2019
- Developed scripts to evaluate additional weighting schemes for the National Election Poll exit poll with NBC Elections
- Evaluated campaign contact techniques with national organization and presented results via interactive maps
- Constructed multilayer perceptron neural net to better predict individual voting behavior with Census block data

Professor Daniel Q. Gillion, University of Pennsylvania   Philadelphia, PA
Undergraduate Research Assistant   Mar 2018 - May 2018
- Manipulated and joined large datasets from the US and PA to investigate biases in funding of school districts

Leadership and Other Experience

The American Academy of Political and Social Science   Philadelphia, PA
Intern   Jul 2017 - May 2018
- Customized and deployed instance of Salesforce.com CRM to manage campaign, contact, and event data
- Centralized email outreach through MailChimp and integrated with Salesforce.com platform
- Administered social media & website and provided general technical support

Management Department, The Wharton School   Philadelphia, PA
Helpdesk Technician   May 2015 - Jan 2017
- Supported faculty and staff's technology usage in teaching and research
- Requisitioned and deployed hardware from peripherals to workstations

DMAX Foundation   Bryn Mawr, PA
Intern   May 2016 - Jul 2016
- Directed other interns and worked with professional staff in transition to modernized website

Harrison College House, University of Pennsylvania   Philadelphia, PA
ITA Manager   Apr 2015 - Aug 2016
- Recruited, trained, and managed eight student IT staff members to support residents
- Provided direct technical support to house faculty and staff

Jim Kenney for Mayor   Philadelphia, PA
Organizing Fellow   Mar 2015 - Aug 2015
- Organized, recruited, and led volunteers in direct voter contact in West Philadelphia
- Piloted use of mobile app for paperless canvass lists; collaborated with local unions to increase contact

Skills and Interests

Activities: Producer & Treasurer, Front Row & iNtuitons Experimental Theatre Cos.; Secretary, Bent Button Productions

Programming: R and Python; working familiarity with SQL, HTML, JavaScript, Stata, and SPSS

Technical: Git, Amazon Web Services, Qualtrics, MTurk, LaTeX, Adobe Illustrator & Photoshop, WordPress

Interests: Proud dog parent; enjoy hiking, stargazing, reading Wikipedia, and repairing broken devices