

# David Azizi

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4516 Springfield Ave. 2R, Philadelphia, PA 19143

## Education

University of Pennsylvania, College of Arts and Sciences  
Candidate for Bachelor of Arts in Political Science  
Minor: Survey Research & Data Analytics

Philadelphia, PA  
May 2020

*Relevant Coursework:* Causal Inference; Probability; Business Stat.; Stat. Methods for Political Science; Political Polling

Temple University, Fox School of Business  
Non-Degree Coursework

Philadelphia, PA  
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  
Research Coordinator

Philadelphia, PA  
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 statistical 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

Research Assistant

Philadelphia, PA  
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

Fox Research and Service Fellow

Philadelphia, PA  
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  
Undergraduate Research Assistant

Philadelphia, PA  
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

Intern

Philadelphia, PA  
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

Helpdesk Technician

Philadelphia, PA  
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

Intern

Bryn Mawr, PA  
May 2016 - Jul 2016

- Directed other interns and worked with professional staff in transition to modernized website

Harrison College House, University of Pennsylvania

ITA Manager

Philadelphia, PA  
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

Organizing Fellow

Philadelphia, PA  
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 & iNtuitions 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