

# David Azizi

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## Education

University of Pennsylvania, College of Arts and Sciences  
Bachelor of Arts in Political Science

Philadelphia, PA  
May 2020

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

Research Lab of Professor Daniel J. Hopkins, University of Pennsylvania

Philadelphia, PA

Research Coordinator

Sep 2019 - Oct 2020

- Perform textual analysis on large corpus of state & national party platforms to analyze polarization/nationalization
- Developed pipeline to conduct and process statewide exit poll with collegiate consortium
- 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

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 Pool 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 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 & iNtuitions Experimental Theatre Cos.; Secretary, Bent Button Productions

Programming: R, Python, SQL, HTML, CSS; working familiarity with 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