

## Professional History

- 2020 - *Present* – **Associate, Systems and Testing – Kastling Group** – Washington, DC; remote  
*Analyzed technical and non-technical civic systems for digital and management transformations in engagements with the US House, Office of Legislative Counsel; US House, Office of the Clerk with Xcential; Democracy Fund's BillMap with GovTrack and Xcential.*
- mapped functions, relations, and requirements of United States legislative processes and respective technical interoperations for full software development life cycle
  - developed and maintained user-interface testing software, and interactive dashboards
  - developed and implemented user, client, and employee sentiment and relational surveying and networking, focus-grouping, and workshopping
- 2017 - 2020 – **Director, Data and Analytics – PA State House Campaign Committee** – Harrisburg, PA  
*Directed six- and seven-figure data, analytics, polling, media, field, and political committee and campaign programs, operations, budgets, and staff for two general-, two primary- and six special-election cycles for nationally targeted caucus*
- developed committee and campaign metrics and benchmarks, mappings, survey life-cycle development, reporting, dashboards, and API's as well as optimization, prioritization and investment methods for paid media, voter contact, and political systems
  - voter targeting, and other canvassing operations resulting in up to 16% increase in voting probability
  - voter modeling to mid 80% classification accuracy and correlation scores
  - developed media buy and field programs, managed political data sets to  $10^9 \times 10^6$  in demographic, geospatial, and temporal domains, analyzed non-linear dynamics in the  $10^7 \times 10^5$  dimension, application / database administrator for > 2,000 users
- 2019 – **Interim Executive Director**  
*Directed and managed committee leadership, budget, stakeholders, staff, operations and communications for two special-election cycles*
- Summer 2017 – **Consultant, Operations and Logistics – FIRST Global** – Washington, D.C.  
*Developed and deployed operational and logistic programming in an implementation engagement with the initial annual international robotics competition*
- 2017 Primary Election – **Campaign Manager – Neuman for PA Common Court** – Washington, PA  
*Designed and managed financial, organizational and operational, communications and media, research and polling, and field strategies for successful dual-ballot campaign in cross-partisan primary election*
- managed staff and consultants, six-figure campaign budget / projects, and resource generation and distribution
  - managed polling / analytics, voter targeting, external and internal communications, paid media (television / mail / digital / radio), and political (rapid-response / debate-prep / endorsements / social) planning
- 2016 General Election – **Campaign Manager – Snyder for PA State House** – Greene, PA  
*Designed and managed successful organizational and operational, communications and media, and field strategies and plans for incumbent-defense campaign overperforming top of ticket in state's top three competitive elections*
- 2016 Primary Election – **Deputy Organizing Director – Sestak for U.S. Senate** – Delaware, PA  
*Managed field, organizing, and data operations for US Senate Primary Election*
- developed and operationalized six-figure impression field program
- 2015 General Election – **Organizing Director – Gross for Fairfax Board of Supervisors** – Fairfax, VA  
*Managed field, and organizing operations and logistics for six-figure municipal campaign*
- developed and operationalized five-figure impression field program
- Summer 2012 – **Head Coach – Ravensworth Swim and Racquet Club** – Fairfax, VA  
*Lead competitive strategy and training programs increasing team ranking by three (of six) divisions*
- Summer 2009 & 2010 – **Head Coach – Sideburn Run Recreation Association** – Fairfax, VA
- Fall 2008 - Spring 2010 – **Assistant Coach – Dominion Dive Club** – Fairfax, VA

## Tools

### **Analysis**

Python (NumPy, scikit-learn, shapely, networkx, selenium), ArcGIS / ArcMap, SysML / (Plant-)UML

### **Data**

SQL (BigQuery, Postgres, MS-, T-, Phoenix), Bash, HTTPS / REST, JSON, XML (USLM), VAN / NGP, Qualtrics, Azure / Google Data Studio

### **Management**

Git, Jira, Asana, Trello, Agile (Scrum, Behavior-Driven), Cucumber, Linux (Ubuntu), Windows, Microsoft Project

### **Other**

vim, L<sup>A</sup>T<sub>E</sub>X, Google Suite (Docs, Sheets, Slides, API), Adobe (InDesign, Photoshop, Acrobat), LexisNexis, Associate Press / Chicago Style

## Other History

2021 – **Board Member – FieldBlue** – Philadelphia, PA

*Technical and strategic advice for political technological start-up*

2019 - 2020 – **Board Member & Proxy – Project Keystone** – Philadelphia, PA

*Assisted in direction, planning, and distribution of seven-figures in polling and research funds through 501c4/527-hybrid consortium focused on legislative races in Pennsylvania*

2020 – **Volunteer – Turn Pennsylvania Blue** – Philadelphia, PA

*Provided data, targeting, and analytic services to volunteer-driven electoral committee*

Winter 2018 – **Volunteer – The OpenElections Project** – Remote

*Developed Python module to transform and standardize election files from Pennsylvania to specified structure*

Summer 2013 – **Intern – U.S. Commission on Civil Rights, Eastern Regional Office** – Washington, DC

Fall 2012 – **Intern – Virginia House of Delegates, Office of the Minority Leader** – Charlottesville, VA

## Teaching History

**Field Operations**, 2018, 2020 HDCC Candidate and Staff Conference: Reviewed systems and operations for (non-)traditional voter contact operations and strategies

**VAN and MiniVAN Technical Operations**, 2018, 2020 Candidate and Staff Conference, 2020 Caucus Conference: Presented on VAN and MiniVAN functionality, and operations

**Political Targeting**, 2020 HDCC Candidate and Staff Conference, 2020 Caucus Conference: Reviewed architecture and methods for voter set classification, regression, and prioritization

**Surge Voters & Other Demographics**, 2020 Caucus Conference: Reviewed sets of voters of advantage and threat to political interests

**Measures & Data**, 2018, 2020 HDCC Candidate and Staff Conference: Focused on the key features and performances metrics for state house campaigns and the applied analysis and management thereof.

## Projects

**Comparative Print Testing Suite**: Python-selenium user-interface and regression testing suite with Google Cloud reporting system

**Partisan Variance Score**: Analytic and sk-learn classification model evaluating the absolute difference in voters partisan favorability outperforming traditional partisan models by 4-8% in the field.

**Field Package**: Python package developing field-oriented operational objects and algorithms.

## Education History

**Non-Degree Seeking – Harrisburg Area Community College**, 2019

*Coursework*: Calculus I

**BA; Political Theory – University of Virginia**, 2014

*Coursework*: Epistemology, Symbolic Logic, Classical Theory, Contemporary Thought, Contemporary Ethics, Perspectives on Liberty, Concepts of Law, Political Economy, Microeconomics I, Macroeconomics I, Statistics I, Physics I

**BA; Candidate – George Mason University**, 2012

*NCAA Div. I, Colonial Athletic Association, Swimming and Diving*: 2011 Rookie of the Year

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