

Three year experienced data and systems analysis and five year experienced election and campaign management professional.

Professional History

Kastling Group

Boutique digital and management consulting firm focusing on providing enterprise modernization to federal and commercial clients. Reported to the CEO and CTO with 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, Good2Go with Infuse.

Associate, Data and Systems, 2020 - Present

<i>Responsibilities</i>	<ul style="list-style-type: none">– Modeling and engineering functions, relations, and requirements of United States legislative and private enterprise processes and behaviors with respective technical architecture and interoperations for digital development / transformation and human-centered design efforts in an Agile environment.– Survey design, intelligence reporting, and analytics focusing on inference and prediction, and operational metrics in BigQuery / DataStudio / Colab.
<i>Accomplishments</i>	<ul style="list-style-type: none">– Developed and implemented employee, client, and user opinion and experience surveying / sampling and relational networking, focus-grouping, and workshopping via Qualtrics and traditional methods.– Developed agglomerative clustering model to describe employee working relationship and attitudes for workload redistribution, process re-engineering, and executive operations planning.– Developed and maintained automated functional testing and continuous integration pipeline in Google Cloud, GitHub Actions, and Python / Selenium.

House Caucus Campaign Committee

Caucus political arm of the Pennsylvania State House of Representatives chartered with securing partisan majorities. Directed six- and seven-figure electoral media and polling programs with five direct-reporting and over thirty indirect-reporting field and political staff over two general-, two primary- and six special-election cycles for nationally targeted caucus.

Specialist, Data & Analytics , 2019-2020

Director, Political & Operations, 2017-2018

<i>Responsibilities</i>	<ul style="list-style-type: none">– Application / database administrator and engineer for > 2,000 non/technical users and executive leadership in <i>the VAN</i> at tier III / VII support and 20 users in BigQuery environment at tier II / VII support.– Managed staff of 5-30 with varying levels of authority, as well as executive and staff training and instruction– Directed and developed planning, execution, testing, and analysis of seven-figure polling, media and field programs
<i>Accomplishments</i>	<ul style="list-style-type: none">– Designed, built, and operationalized committee, campaign and executive-facing ETL pipelines across federal, state, media, and vendor Python / REST API's and sources with BigQuery / PostgreSQL and Ubuntu Server, analytics and metrics in Python, voter targeting and management to BigQuery-Phoenix / <i>the VAN</i>, and interactive reporting and dashboards in PostgreSQL / BigQuery, DataStudio and Colab / Bokeh.– Voter targeting and contact and media operations resulting in up to 16% increase in voting probability– Developed random forest classifier to mid 80% accuracy scores to measure preference volatility of voters, in addition to operational optimizations, prioritizations, and investment methods and models.

Interim Executive Director, 2019

<i>Responsibilities</i>	<ul style="list-style-type: none">– Directed, and managed committee leadership, budget, stakeholders, staff, operations and communications.
<i>Accomplishments</i>	<ul style="list-style-type: none">– Successfully executed campaign cycle for two six-figure special elections.

FIRST Global

Consultant, Operations and Logistics, Summer 2017

<i>Responsibilities</i>	– Development and management of six/seven-figure operational / logistic programming and team of 15-20 vendors/consultants in an implementation engagement with the initial annual international robotics competition.
<i>Accomplishments</i>	– Successful completion of six/seven-figure event transportation, housing, and meals for > 2000 competitors from 158 countries and data management solutions for media production team.

PA State House & PA Common Court Campaign

Campaign Manager; General Election 2016, Primary Election 2017

Designed and managed six-figure financial, organizational and operational, communications and media, research and polling, field strategies, and staffs of 3-30 for two campaigns in southwestern Pennsylvania. First, a dual-ballot campaign in cross-partisan primary election; and second, an incumbent-defense campaign overperforming top-of-ticket for state's top three competitive elections in southwestern Pennsylvania.

Fairfax Board of Supervisors & U.S. Senate

Organizing Director; 2015 General, 2016 Primary Election

Outback Steakhouse

Server, 2012 - 2014

Ravensworth Swim and Racquet Club

Head Coach, Summer 2012

Starbucks

Barista, 2010 - 2012

Sideburn Run Recreation Association

Head Coach, Summer 2009 & 2010

Dominion Dive Club

Assistant Coach, Fall 2008 - Spring 2010

Tools

Analysis

Python (NumPy, scikit-learn, Bokeh, Shapely, NetworkX, Selenium), ArcGIS / ArcMap, (Plant-)UML / SysML / MBSE

Data

SQL (BigQuery, Postgres, MS-, T-, Phoenix), Bash, SSH, REST, TLS / SSL, SSH, JSON, XML (USLM), YAML / Markdown, VAN / NGP, Qualtrics, Azure / Google Data Studio

Management

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

Other

vim, L^AT_EX, Google Suite (Docs, Sheets, Slides, API), Adobe (InDesign, Photoshop, Acrobat), LexisNexis, Associate Press / Chicago Style

Other History

FieldBlue

Advisor, 2021 – Present

Technical and strategic advice for political technological start-up

Project Keystone

Board Member & Proxy, 2018 - 2020

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

Turn Pennsylvania Blue**Volunteer**, 2020*Provided data, targeting, and analytic services to volunteer-driven electoral committee***The OpenElections Project****Volunteer**, Winter 2018*Developed Python module to transform and standardize election files from Pennsylvania to specified structure***U.S. Commission on Civil Rights, Eastern Regional Office****Intern**, Summer 2013**Virginia House of Delegates, Office of the Minority Leader****Intern**, Fall 2012

Projects

Comparative Print Testing Suite*Automated testing and continuous integration pipeline in Google Cloud, Github Actions, and Python / Selenium.***Partisan Variance Score***Random forest classifier to mid 80% accuracy scores to measure preference volatility of voters. Outperformed traditional voter-contact models by 4 – 8% over > 70% of voter segments.***Labor Estimator***Python module leveraging integrals to estimate work distributions over time.*

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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