

Hon. Stephanie Singer, Ph.D.
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WORK EXPERIENCE

Philadelphia City [Election] Commissioner, 2012-present

- One of three Commissioners responsible for elections for a city of 1.5M people with 1,700 voting precincts, yearly budget of \$10M and 90 employees
- Served as Chair for 2012 election cycle
- Instituted fair and open hiring practices
- Instituted free, easy access to election-related data in electronic form
- Reached over 35,000 citizens via personal and deputy appearances at over 1,000 events in 1 year

Candidate, Stephanie Singer for City Commissioner, 2011

- In first run for citywide office, defeated 36-year, party-endorsed incumbent by 9 percentage points in the primary
- Raised \$175K, over four times the amount raised by any other candidate for the position

Data Strategist, Athenian Properties LLC, 2008 – 2011

Real estate services company

- Executive duties included managing IT for 18 employees at four locations
- Consulting projects included creation of custom geospatial data analysis tools for comprehensive optimization analysis of supply and demand for the School District of Philadelphia, as well as advising the Curtis Institute of Music on the transition into Lenfest Hall
- Data work included scraping and mining public data, as well as streamlining ongoing reporting and budgeting of metered electric usage for building with 70 meters and \$2.7M/yr in electricity expenses

Managing Partner, Campaign Scientific LLC, 2004 - 2008.

Provide data consulting and analysis to small organizations.

- Induced PA Dept. of State to lower voter file prices to \$20 from \$1,340
- Expert Witness, NAACP v Cortes, US District. Ct. for the Eastern Dist. of PA
- Directed Election Verification Exit Poll in two PA congressional districts
- Provided strategic data analysis for several successful election campaigns

Assistant, then Associate Professor, Haverford College, 1991-2002.

- Earned tenure in the Mathematics Department (1998)
- Taught standard curriculum and created new courses from scratch
- Directed senior theses and a Masters thesis; co-directed one Ph.D. thesis at MIT
- Lectured at the Institute for Advanced Study and other venues worldwide

ELECTED VOLUNTEER EXPERIENCE

Democratic Ward Leader, 8th Ward Philadelphia, 2008-2011.

- Represented 15,000 voters to the Democratic City Committee of Philadelphia, and to elected officials. Lobbied officials on behalf of the public
- Organized 10 public meetings per year
- Increased 8th ward committee membership 25% in first two years
- Created database and website (ward8.philadems.org) to support member technical needs.

PUBLISHED BOOKS

Symmetry in Mechanics: A Gentle, Modern Introduction, Boston, Birkhauser, 2001.

Linearity, Symmetry and Prediction in the Hydrogen Atom, Springer Verlag, NY, 2005.

EDUCATION

Ph.D., Mathematics, New York University, 1991; B.S., Mathematics, Yale, 1985

SELECTED AWARDS

Philadelphia NOW Local Women Leader, 2013; Prosser Lecturer, Dartmouth College, 2010; PDF Google Fellowship, 2010; NSF CCD grant, 2002; Amer. Math. Soc. Centennial Fellowship, 1998; Bunting Institute Fellowship, 1994

SELECTED COMPUTER SKILLS

Python, MySQL, MSAccess, web development, MSEXcel (advanced modeling), GIS.

LANGUAGE SKILLS

Fluent French and German, conversational Italian, some Portuguese, Spanish, Russian and Hebrew.