Elizabeth Nelson

5140 S Hyde Park Blvd, Chicago, IL 60615 | (607) 342-7866 | elizabethwnelson5@gmail.com | https://elizabethwnelson.netlify.com

EDUCATION

Harris School of Public Policy, University of Chicago　　　　　　　　　　　　　**Chicago, IL**
Candidate for MS Computational Analysis and Public Policy (MS-CAPP)　　　　　Expected June 2021

The George Washington University　　　　　　　　　　　　　　　　　　　**Washington, DC**
BS Economics, BA International Affairs*, summa cum laude*　　　　　　　　　　　　　May 2015

　　Honors: Phi Beta Kappa, University Honors Program, Presidential Scholarship (4 years)

University of Oxford, Pembroke College　　　　　　　　　　　　　　　　　　　**Oxford, UK**
Visiting Student, Philosophy, Politics, and Economics　　　　　　　　　October 2013 - June 2014

EXPERIENCE

Deloitte Consulting: Federal Strategy & Analytics　　　　　　　　　　　　　**Arlington, VA**
Senior Consultant　　　　　　　　　　　　　　　　　　　　　August 2015 - August 2019

- Lead developer for two client-facing web-based optimization tools built in R Shiny with dynamic user-input parameters feeding into a resource planning optimization
  - Mentored and supervised 2-3 developers working on statistical analysis and application design tasks
  - Co-facilitated two-day session for six clients to generate ideas for future features and gather user feedback
  - Created and managed application development timelines, including release schedule and sprints
  - Translated business goals and rules into optimization objectives and constraints
  - Performed data cleaning, statistical analysis, data visualization, and user-interface design tasks
- Team lead for risk analysis modeling team responsible for conducting annual quantitative assessment of client's security procedures and equipment to support resource allocation and procurement decisions
  - Led team in restructuring fault tree model to decrease to decrease analysis time, enabling the team to conduct future sensitivity analyses
  - Conducted first-ever scenario analysis based on current threat intelligence
  - Managed development of briefings for senior agency executives
- Additional roles and responsibilities, including:
  - Wrote Python web-scraper as part of a text processing pipeline
  - Conducted network analysis on government agency partners, customers and competitors and built custom ecosystem map visualization
  - Delivered and developed trainings for groups of 15-30 people on topics such as developing R Shiny applications, dockerizing R Shiny applications, and uses of simulation methods (ex. system dynamics modeling, agent-based simulation)

Institute for European Russian, and Eurasian Studies　　　　　　　　　　**Washington, DC**
Research Assistant　　　　　　　　　　　　　　　　　　　September 2014 - December 2016

- Collected and analyzed data from over 70,000 RT ("Russia Today") videos on YouTube to examine RT messaging to different linguistic groups and co-wrote peer-reviewed journal article on analysis
- Presented research on RT's strategy and influence via YouTube at PONARS Eurasia workshop "Rethinking Russian Media Strategy" (2017), National Endowment for Democracy (2017), American Political Science Association Annual Meeting (2016), and IERES Hybrid Warfare workshop (2015)

SKILLS & SOFTWARE

R (Intermediate), R Shiny (Intermediate), Python (Basic), Docker (Basic), Git (Intermediate), Linux RedHat (Basic)