

EXPERIENCE

DATA SCIENTIST

The Metis Foundation, Uniformed Services University; Bethesda, MD

2019-Present

As a Data Scientist for the MiCOR Program at the Uniformed Services University, I am responsible for directing or advising in all Program endeavors relating to the handling of data or the use of IT. In practice, this means liaising across departments and areas of expertise to create consensus while advancing the interest of the project, crafting the policy and implementation of a data management plans, and advising project leaders on best practices. At the same time, I am responsible for the technical development of data flow documentation and research databases for the scientific research projects housed within the Program.

FREELANCE DATA ANALYSIS & DESIGN

Self; Location-Free

2017-2018

As a freelance data analyst & web design consultant, I worked on a diverse series of projects: from digital portfolios for creatives and artists in [Berlin](#) ([visit](#)) to advanced analytic reports and projections for a premiere opinion polling firm. For more information, visit my website: tomrannosaurus.com

PROJECT DIRECTOR

Public Opinion Strategies; Alexandria, VA

2015-2016

As a Project Director with Public Opinion Strategies for the 2016 election cycle I led projects for a broad array of clients, from large entities like the U.S. Chamber of Commerce and Vail Resorts, to small municipalities. I was involved in every aspect of a given research endeavor, from proposal to research design, through data collection and analysis. I was responsible for interfacing with vendors to ensure the quality of data on both quantitative and qualitative projects. I worked to modernize the firm's research process. To that end, I developed new and updated methodologies for data acquisition, processing, analysis, and visualization.

SENIOR RESEARCH ANALYST

The Lewin Group; Falls Church, VA

2012-2015

As a Senior Research Analyst at The Lewin Group my responsibilities were varied and broad. I was responsible for the creation and maintenance of large datasets spanning the entire universe of Medicare claims over multiple years. I was also tasked with the creation and delivery of user-friendly extensible economic forecasting models. I independently developed process automation tools used throughout the firm. Additionally I assisted in the research, writing, and editing of various white papers on topics ranging from the efficacy of physician retention programs to the rating and evaluation of hospitals.

HHMI RESEARCH ASSISTANT

College of William & Mary, Department of Applied Science; Williamsburg, VA

2008-2011

The Howard Hughes Medical Institute funds research of merit at many institutions; I received four individual awards from HHMI. In my time working in an Applied Science laboratory on the neurophysiology of breathing, I and my fellow undergraduate colleague worked independently in pursuit of publication in a [peer-reviewed journal](#). The article reviewing the nature of the physiological mechanism by which breathing rhythm in the preBotzinger complex is terminated, contains data and figures from my original research.

SUMMER INTERN

United States House of Representatives; Washington, D.C.

2010

As an Intern in the office of (Former) Representative James P. Moran I was tasked with duties including: preparing briefs with a focus on tax structure, economic stimulus, and the health care overhaul as well as responding to constituent communications, and assisting in issue and policy research for staff.

EDUCATION

COLLEGE OF WILLIAM & MARY

Williamsburg, VA — B.A. of Economics & Premedical Program

2008-2012

PUBLICATIONS

Krey, R. A., Goodreau, A. M., Arnold, T. B., & Del Negro, C. A. Outward Currents Contributing to Inspiratory Burst Termination in preBötzing Complex Neurons of Neonatal Mice Studied in Vitro. *Frontiers in Neural Circuits*, 2010, 4(November), 9. [LINK](#)

SKILLS

Expert-level proficiency in the full Microsoft Office suite including Word, Excel, Access, and PowerPoint as well as Apple and open-source equivalents. Experience in multiple statistical analytics and visualization packages including but not limited to Stata, SAS, SPSS, MATLAB, Mathematica, R, Python, Tableau, and D3. Extensive experience in Linux/Unix and Unix-like systems. Working experience in various Adobe products as well as multiple website coding and design platforms, from front-end tools like HTML, CSS, and JavaScript, to back-end framework like Drupal and Wordpress. Experience in database tools such as SQL and REDCap as well as big-data platforms like Hadoop, Hive, Spark, Pig, and other Map/Reduce tools including cloud compute Machine Learning platforms such as AWS and GCP. Rudimentary conversational Spanish.

REFERRALS

Lori Weigel
Principal; New Bridge Strategy
e: lori.weigel@gmail.com
c: (303) 324-7655

Neil Newhouse
Partner; Public Opinion Strategies
e: neil@pos.org
t: (703) 836-7655

Dr. Mark Haigney
Director of Cardiology; USU
e: mark.haigney@usuhs.edu
c: (443) 994-2814