

PERSONAL STATEMENT

As a data scientist, I pursue research and analytic challenges with careful planning and persistence. As a project management professional, I organize and empower my teams through practical approaches and a collaborative mindset.

SKILLS

* Python * SQL * Git * NLP * Machine Learning
* Tableau * Predictive Analytics * Data Wrangling
* Web Scraping * Policy Analysis * Literature Reviews
* Work Plan Development * Program Evaluation * CQI

EXPERIENCE**General Assembly Data Science Immersive**

Washington, DC
2017

Modeled large, distinct data sets using a variety of predictive modeling and machine learning techniques. Acquired and cleaned data from disparate sources. Trained in real-world applications of data science principles and best practices.

Conducted inferential analysis examining relationships between substance abuse, emotional distress and general demographics with likelihood of obtaining substance use treatment. Utilized time-series analysis and Bayesian inference to explore lethality of terrorist groups and predict volume of future attacks. Performed web scraping and natural language processing to obtain and analyze job-posting information for relative salary ranges.

WRMA, Inc. Research Manager

Rockville, MD
2013 – 2017

Managed and directed three interrelated projects of national significance. Established and tracked yearly project work plans, budgets, and timelines of deliverables. Collected and operationalized project requirements. Coordinated work activities with state/federal partners, project staff, and third-party subcontractors.

Oversaw development, testing, and roll-out of national data submission site. Formulated data analysis plans, developed data collection tools, and maintained annual datasets. Wrote, edited, and managed quality assurance of programmatic evaluation reports.

The Bridge for Youth Database and Evaluation Manager

Minneapolis, MN
2011 – 2012

Administered client databases, ensuring timely and accurate data collection and maintenance. Overhauled assessment tools, modernizing data collection standards and reporting compliance. Implemented new staff training regimens employing hands-on instruction and pictorial user guides. Composed program data reports compiling and analyzing data relevant to grant applications and funders.

University of Hawai‘i-
Mānoa, Department of
Psychology

Honolulu, HI
2009 – 2011

Graduate Research Coordinator, Salmon Research Lab

Directed research studies, designed study materials, and conducted literature reviews. Trained and supervised research assistants in data collection, response coding, and participant recruitment. Compiled and analyzed research data, and composed final research reports.

CERTIFICATIONS

Project Management Professional (PMP)	Project Management Professional
2016	Trained in best practices regarding all stages of the project management life cycle, from initiation to closeout. Experienced in developing and maintaining documents related to the different project knowledge areas (e.g., scope, time, cost). Experienced in stakeholder analysis and communications management.

EDUCATION

General Assembly	Data Science Immersive
Washington, DC 2017	Developed familiarity and proficiency with python and several robust data science libraries including SK-Learn, Pandas, Numpy, Statsmodels, Scipy, Matplotlib, and more. Deepened skills in data mining, web scraping, data cleaning, machine learning, data analysis, and data visualization while completing projects utilizing a broad data science skill set. Gained exposure to cloud computing, AWS, and big data analysis tools (e.g., Hadoop, Spark, map-reduce functionality)
University of Hawai‘i-Mānoa	Master of Arts – Social and Personality Psychology
Honolulu, HI 2011	Recipient of Gartley research award for study of bias and perceptions of expertise in discussions of climate change. Served as representative of psychology department and elections committee chairman in graduate student organization.
University of Wisconsin-Madison	Bachelor of Arts – Psychology, History
Madison, WI 2007	Distinguished member of undergraduate class. Managed experimental psychology lab examining motivational goals and skill mastery. Conducted independent study on emotional valence and recall of images.