

Diverse technical background as a research scientist and in technical sales. Over six years of analytical experience and three years of technical consulting, marketing, software testing, and project management.

Skills:

Statistics: Expert in data collection, study design, and inferential statistics. Techniques - Linear and Logistic Regression, ANOVA, K Nearest Neighbors, Linear and Logistic Regression, Decision Trees, Random Forest, Gradient Boosting, Bayesian Statistics

Statistical Software and Programming: Python, Pandas, Matplotlib, Apache Spark, SQL, SPSS, Excel

Experience:

Galvanize: Data Science (Sept 2018 - Dec 2018):

- Effectively conducted predictive modeling studies to project sales prices, customer churn, and recommendation systems. Utilized Logistic Regression, Gradient Boosting, Alternating Least Squares on AWS, and Random Forests.
- Created Run Recommender - a running route suggestor utilizing the Strava API (pnwrun.org)

Plexon, Inc: Technical Sales Engineer - Behavioral Neuroscience (Oct 2015 – Sept 2018):

- Managed global customer sales for video tracking, photometry, optogenetic product lines
- Product management - Prioritize feature development, troubleshoot, and test video tracking software
- Spearheaded development of new technology - Multi-Fiber Photometry System
- Customer support and troubleshooting for video tracking and optogenetics product lines

Post-Doctoral Fellowship and Graduate Work (2008-2015; Wake Forest University, University of Toronto, Seattle Children's Research Institute):

- Independently prepared and analyzed data for over 25 research studies.
- Considered resource for statistical analysis during graduate career for other scientists.
- Excellent ability to identify key bottleneck points in projects to ensure fluid implementation
- Excellent written and oral communication - presented at over 10 international academic conferences and author of 8 peer-reviewed original research papers

Course Instructor (2013 – 2015) University of Toronto; Antioch University in Seattle:

- Manage classes of up to 200 students and 2 teaching assistants - independently prepared curriculum
- Effective in communicating complex technical information to expert and lay audiences

Education

Data Science Certificate: Galvanize, Inc.

PhD Psychology: Brain and Behaviour Concentration - University of Toronto

M.A. Experimental Psychology: Wake Forest University

B.S. Psychology: Appalachian State University, *Minor: Mathematics*