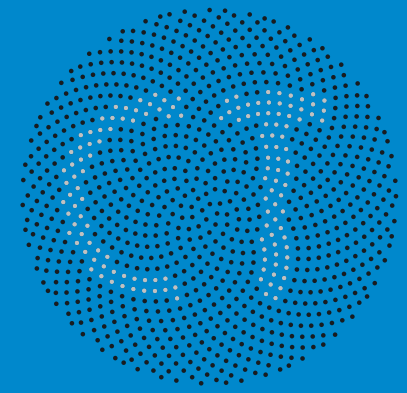# CHRISTOPHER M. TEIXEIRA

I have supported a variety of federal and commercial customers over my career. The common theme across my career is using data to support decision making amongst my customers. Traditionally, this means being able to understand how it was collected and its weaknesses, adding value through incorporation into a model, and communicating it through a medium like interactive visualizations.

🎓 EDUCATION

M.S., Operations Research
2010 | 2008

George Mason University 📍 Fairfax, VA

· Concentration in Decision Analysis
· Capstone project using Integer Programming

B.S., Mathematics
2006 | 2002

Worcester Polytechnic Institute 📍 Worcester, MA

· Focus in Applied Statistics and Probability
· Capstone project using Factor Analysis, PCA, and logistic regression

💼 WORK EXPERIENCE

Chief Engineer
2019 | 2014

MITRE 📍 Bedford, MA

· Serves in many roles from individual contributor to technical lead and integrator to supervisor.
· Exhibits expertise in a multitude of areas including technical solutions, communication skills, creativity, and vision to deliver a diverse set of technical solutions across different FFRDCs.
· Scopes statements of work directly with sponsors, advises on technical approaches for research projects, and mentors department staff in growing their technical skills.

Senior Analytics Consultant
2014 | 2012

Epsilon 📍 Wakefield, MA

· Work closely with remote clients to understand their needs and translate into tasking for team members.
· Lead small teams to perform various statistical and data analysis studies using a combination of SAS, Netezza, Tableau, R, and Python.
· Provide division wide support as an integer optimization expert and ssisted in business development activities, including writing proposals and initial scoping of projects with clients.

Senior Analytics Consultant
2012 | 2011

IBM 📍 Herndon, VA

· Work on site with clients, collaborating with other contractors on data analysis projects using SAS products.
· Support business development activities for federal and private clients and work with contracts to submit proposals.
· Collaborate with IBM research to update and translate algorithms into useable products for healthcare sponsor.

Operations Research Analyst
2011 | 2006

SAIC 📍 McLean, VA

· Contribute to multiple projects using my knowledge of mathematics, statistics, and operations research across multiple Federal agencies including NASA, FEMA, and HSARPA.

CONTACT

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🐦 CT_Analytics
🐙 github.com/ct-analytics
in linkedin/in/christopherteixeira
🔗 christopherteixeira.com

LANGUAGE SKILLS

- R
- SQL
- Tableau
- Python
- AnyLogic
- Bash
- Java
- SAS
- Javascript (d3.js)

MORE INFO

See full CV at christopherteixeira.com/cv for a more complete list of projects and publications.

Made w/ *pagedown*
Source code: *github.com/ct-analytics/Resume*
Last updated on 2021-07-30.

SELECTED PROJECTS

2021 | 2020

Data Science Upskilling for the CDC
MITRE

- Manage a small team that support CDC's efforts in upskilling staff in data science competencies.
- Advise several data science capstone projects on the use and interpretation of different data science techniques.

2020 | 2017

State Engagement to Address Opioid Overprescribing and Misuse
MITRE

- Manage a team of 30+ staff with a variety of disciplines.
- Met objectives to use analytics to define opioid prescribing behavior, create to working groups to advise and review, and create a framework to measure opioid prescribing.
- Presented a variety of data science applications to state officials.

2020

COVID-19 Healthcare Coalition
MITRE

- Support decision makers in understanding the complexity around the evolving COVID-19 pandemic.
- Lead a small team to use a variety of disparate data sources to explain areas of the United States that were vulnerable to the virus.
- Coordinated over 100 organizations to use the combination of data, technology, and expertise to address a variety of challenges during the pandemic.

2018 | 2016

Predictive Analytics in Child Welfare
MITRE

- Lead 2-3 staff members to help child welfare agencies understand the use of predictive analytics.
- Published 3 papers to support child welfare agencies.
- Completed small analysis to fuse data from various state agencies to do a longitudinal study of foster children.

2012

Customer Attrition Analysis
Epsilon

- Worked with team members to build a Bayesian Belief Network (BBN) on large data sources in Netezza to predict the likelihood of a person closing an account with our client.
- I compared the BBN model results against Logistic Regression to determine best modeling approach.

SELECTED WRITING

2017

Predictive Analytics In Child Welfare: An Assessment Of Current Efforts, Challenges And Opportunities
MITRE

- This document explores the state of the use of predictive analytics in child welfare by conducting an environmental scan of child welfare agencies, academia, nonprofit organizations, and for-profit vendors.
- Completed through the support of HHS ASPE.

2017

Predictive Analytics in Child Welfare: An Introduction for Administrators and Policy Makers
MITRE

- This document provides an overview of different analytical approaches and goes into a set of criteria that should be used in determining if predictive analytics is the right approach to solving a problem.
- Completed through the support of HHS ASPE.