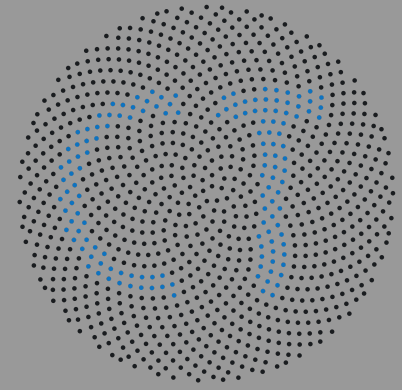


# CHRISTOPHER M. TEIXEIRA

The common theme across my career is using data to explain uncertainty and support decision making across the public sector. Traditionally, this means being able to understand how data was collected and its weaknesses, using data through different algorithms to address challenging questions, and communicating complex results through various visualization techniques.



## EDUCATION

- 2010  
|  
2008
- M.S., Operations Research**  
George Mason University 📍 Fairfax, VA
- Concentration in Decision Analysis
  - Capstone project using Integer Programming
- 2006  
|  
2002
- B.S., Mathematics**  
Worcester Polytechnic Institute 📍 Worcester, MA
- Focus in Applied Statistics and Probability
  - Capstone project using Factor Analysis, PCA, and logistic regression

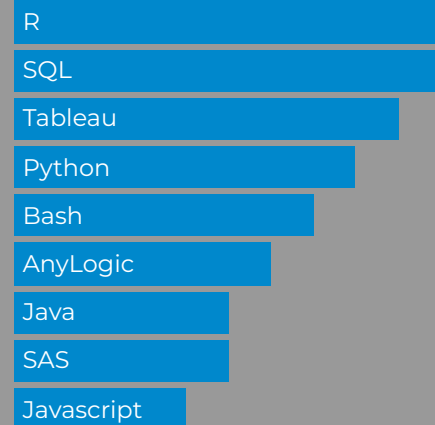
## WORK EXPERIENCE

- 2023  
|  
2014
- Chief Engineer**  
MITRE 📍 Bedford, MA
- Collaborate with various organizations to understand their problem space, explain tradeoffs between different technical approaches, and translate into acquisition materials.
  - Apply expertise across a number of data science, operations research, and statistics applications across domains.
  - Design and refine hiring processes for different roles including mentoring staff in growing their technical and management skills.
  - Provide oversight across multiple projects to ensure sound technical approaches and adherence to quality assurance processes.
- 2014  
|  
2012
- Senior Analytics Consultant**  
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 assisted in business development activities, including writing proposals and initial scoping of projects with clients.
- 2012  
|  
2011
- Senior Analytics Consultant**  
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.
- 2011  
|  
2006
- Operations Research Analyst**  
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](https://twitter.com/CT_Analytics)
- 📄 [github.com/ct-analytics](https://github.com/ct-analytics)
- 🌐 [linkedin/in/christopherteixeira](https://www.linkedin.com/in/christopherteixeira)
- 🌐 [christopherteixeira.com](https://christopherteixeira.com)

## LANGUAGE SKILLS



## MORE INFO

See full CV at [christopherteixeira.com/cv](https://christopherteixeira.com/cv) for a more complete list of projects and publications.



## SELECTED PROJECTS

2023  
|  
2020

### Data Science Upskilling for the CDC

MITRE

- Manage a team of ten data scientists 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.

2011

### JIEDDO - Operations Research and Systems Analysis Support

IBM

- Supporting the warfighter with statistical analysis, data management, and data visualization techniques.

2009  
|  
2006

### NASA - Probabilistic Campaign Manifest Analysis Tool

SAIC

- Updated and expanded the capabilities of this simulation tool to track new metrics and increase the number of Bernoulli trials run within the course of a campaign.
- Effort on this work was acknowledged in the "[SEEKING A HUMAN SPACEFLIGHT PROGRAM WORTHY OF A GREAT NATION](#)" report to Congress.



## SELECTED WRITING

2018

### Predictive Analytics in Child Welfare: Considerations in Contracting Vendors for Predictive Analytics

MITRE

- This document gives an overview of sections in an RFP that need to be considered carefully when trying to contract a vendor for predictive analytics support.
- 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](#).