

# R. Paul Fornia

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Paul is an experienced data scientist, programmer, consultant, and team leader. He specializes in bringing powerful machine learning models into real situations quickly and practically, with a focus on value and impact. He has served clients from several industries, including government, non-profit, and healthcare.

In addition to a strong foundation in math and statistics, Paul has 8 years of programming experience in a wide variety of languages, including C++, Java, SAS, SQL, and especially Python and R. He is also comfortable with industry-standard tools used in the data science pipeline such as Linux, Git, AWS and Agile processes. He has several years of experience leading small teams and mentoring junior data scientists.

## WORK EXPERIENCE

<b>DataRobot - Customer Facing Data Scientist (CFDS), Remote &amp; Traveling</b>	2019 - 2020
<i>AI for Good</i> program, providing pro bono services to social impact organizations	
<ul style="list-style-type: none"><li>• Primary CFDS for five high-value clients</li><li>• Scope and develop machine learning use cases for maximum ROI and impact</li><li>• Execute machine learning projects from framing to modeling to deployment</li><li>• Provide support and data science consulting on the DataRobot software platform</li><li>• Support sales team by demoing DataRobot to executives and at trade shows</li><li>• Help guide formation and strategy for the AI for Good program</li><li>• Represent the program internally and externally in media interviews</li></ul>	
<b>Deloitte - Senior Consultant and Data Scientist, Washington, DC</b>	2014 - 2019
Analytics   Federal Sector	
<ul style="list-style-type: none"><li>• Developed Machine Learning, Optimization, Recommenders, and UI solutions</li><li>• Led team of four full-time consultants and data scientists</li><li>• Managed complex software development life-cycle</li><li>• Developed and led internal and external trainings in Data Science</li></ul>	
<b>Federal Reserve Board of Governors - Senior Research Assistant, Washington, DC</b>	2012 - 2014
Financial Studies   Research & Statistics	
<ul style="list-style-type: none"><li>• Contributed analysis to support original policy and academic research</li><li>• Managed data sets and models, and data visualizations</li><li>• Trained junior research assistants on data analysis and visualization tools</li></ul>	

## EDUCATION

<b>Johns Hopkins University (IN PROGRESS)</b>	Anticipated Summer 2020
MS – Computer Science	
<b>University of Colorado Boulder</b>	2012
BA—Economics—Magna cum Laude	
BS—Applied Mathematics—Computational Economics Emphasis	

## NON-DEGREE EDUCATION and CERTIFICATIONS

<b>Certified Cloud Practitioner</b>	2018
Amazon Web Services	
<b>University of Washington</b>	2017
Specialization in Machine Learning - Coursera	
<b>Johns Hopkins University</b>	2015
Specialization in Data Science - Coursera	
<b>The George Washington University</b>	2014
Graduate Certificate in Financial Math	

## PUBLICATIONS

S Cheong, R Fornia, G Lee, et al., 2012, *The Japanese Economy in Crisis: A Time Series Segmentation Study*. Economics E-Journal: Vol 6 2012-5, 1-81