

R. Paul Fornia

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Paul is an experienced analytics and data science consultant serving federal clients in the Washington, DC area. He specializes in bringing powerful optimization and machine learning models into real situations quickly and practically, implementing easy-to-use tools that enable clients to get measurable value from their existing data.

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

WORK EXPERIENCE

Deloitte Senior Consultant, Washington, DC	2014 - Present
Analytics Federal Sector	
<ul style="list-style-type: none">• End-to-end development of client-facing Data Science products• Prediction, forecasting, statistical analysis, and visualization• Manage small teams through software development life-cycle• Develop and lead internal trainings in Data Science, R, SQL and Excel	
Federal Reserve Board of Governors Senior Research Assistant, Washington, DC	2012 - 2014
Financial Studies Research & Statistic	
<ul style="list-style-type: none">• Contributed analysis to support original policy and academic research• Managed data sets and models, and created charts and figures• Trained new RAs on data analysis and visualization tools	
University of Colorado Learning Assistant and Teaching Assistant	2009 - 2012
Linear Algebra Probability Calculus 1	
<ul style="list-style-type: none">• Held small review sessions and graded homework and tests• Taught two one-credit courses to 50 undergraduate engineering students	
Fast Enterprises Paid Intern, Helena, MT	2011
State and local tax software implementation team	
Summer Research Internship Program at Nanyang Technological University, Singapore	2010
Conducted academic research on networking behavior of Japanese industries	

EDUCATION

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

NON-DEGREE EDUCATION

University of Washington	2017
Specialization in Machine Learning via Coursera	
Johns Hopkins University	2015
Specialization in Data Science via Coursera	
The George Washington University	2014
Graduate Certificate in Financial Math	

AWARDS AND RECOGNITIONS

Magna cum Laude for my thesis on the economics of income and happiness	2012
Active Learning Award University of Colorado Boulder College of Engineering	2012
Putnam Mathematics Competition: 1st Place (CU Boulder), 3rd Place (Colorado)	2009

PUBLICATIONS

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