R. Paul Fornia

(303) 859-9753
paulfornia@gmail.com
www.paulfornia.com

Paul is an experienced Data Scientist and consultant serving federal clients in the Washington, DC area. He specializes in bringing powerful machine learning models into real situations quickly and practically, developing 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 over 7 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.

WORK EXPERIENCE

Deloitte Senior Consultant and Data Scientist, Washington, DC   2014 - Present
Analytics | Federal Sector
- Lead end-to-end development of client-facing Data Science products
- Machine Learning, Optimization, Recommendation Engines, and UI
- Manage complex software development life-cycle
- Develop and lead internal and external trainings in Data Science

Federal Reserve Board of Governors Senior Research Assistant, Washington, DC   2012 - 2014
Financial Studies | Research & Statistics
- 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
- 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 and CERTIFICATIONS

Certified Cloud Practitioner   2018
Amazon Web Services

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

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