

R. Paul Fornia

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For more details, please visit www.paulfornia.com

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 many industries, including finance, government, non-profit, and healthcare.

In addition to a strong foundation in math and statistics, Paul has 8 years of programming experience in many languages (including expertise in Python and SQL), and other DS tools such as Linux, Git, AWS and Agile processes.

Paul is experienced in leading small teams and training and mentoring junior data scientists.

WORK EXPERIENCE

TPC Energy Fund – Director of Data Science 2020 - Present

Develop and monitor ML algorithms to place trades in the wholesale power market

- Provide highly accurate forecasts of returns and volatility using machine learning
- Optimize portfolios across thousands of trades using industry best-practices
- Implement robust backtesting systems to measure performance and risk
- Customize industry standard solutions to fit nuanced financial situations

DataRobot - Customer Facing Data Scientist (CFDS) 2019 - 2020

AI for Good program, providing pro bono services to social impact organizations

- Led five high-value accounts as Primary CFDS
- Scoped and develop machine learning use cases for maximum ROI and impact
- Executed machine learning projects from framing to modeling to deployment
- Supported sales team by demoing DataRobot to executives and at trade shows
- Represented the AI For Good program externally in media interviews

Deloitte - Senior Consultant and Data Scientist, Washington, DC 2014 - 2019

Analytics | Federal Sector

- Developed Machine Learning, Optimization, Recommenders, and UI solutions
- Led team of four full-time consultants and data scientists
- Managed complex software development lifecycle
- Developed and led 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, models, and visualizations

EDUCATION

Johns Hopkins University 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 - Amazon Web Services 2018

University of Washington (via Coursera) - Specialization in Machine Learning 2017

Johns Hopkins University (via Coursera) - Specialization in Data Science 2015

The George Washington University - Graduate Certificate in Financial Math 2014

PUBLICATIONS

S Cheong, R Fornia, G Lee, et al., *The Japanese Economy in Crisis: A Time Series* 2012

Segmentation Study. Economics E-Journal: Vol 6 2012-5, 1-81