Nathen Huang

data scientist + quantitative social scientist

(562) 262-1791 nathuan329@gmail.com github.com/natepeteyellow linkedin.com/in/nathenphuang

about me

DC-based statistician well-versed in machine/deep learning, statistical programming, and data visualization. Extensively trained in social science research and studying operations research and statistics by night. Seeking ways to grow as a theory-driven machine learning engineer for social good. Curious about everything.

skills

Python/R (scikit-learn, PyTorch, TensorFlow, spaCy, NLTK, numpy) SQL (PostgreSQL, Redshift, MySQL) Data Visualization (Tableau, Domo, ggplot2, plot.ly, Shiny) AWS (EC2, S3, DynamoDB) | Azure JIRA | Git/Bitbucket | Salesforce Java | HTML | CSS | JavaScript Social Science Research Methods German | Chinese

education

MS, Statistical Science MS, Operations Research George Mason University 2018 – Expected 2023

MA, Quantitative Social Sciences
Columbia University
2011 – 2015

affiliations & awards

Member

American Statistical Association

Encore Recognition Award KPMG (Mar 2020)

MVP "Unsung Hero" Award POLITICO (Nov 2018)

experience

Senior Specialist, Federal Data Science, KPMG Tysons Corner, VA, Mar 2019 – Present

- Modeling and simulating defense acquisition supply chain for jet production and modifications scheduling for the F-35 Joint Strike Fighter program in AnyLogic, Python, and Tableau.
- Developing applications using Python Flask and NLP libraries to parse and summarize public comments made on regulations by the Centers for Medicare and Medicaid Services; managed tasks and responsibilities for team of 3 software developers to meet weekly deliverables.

Senior Data Analyst, POLITICO

Arlington, VA, Jan 2018 - Mar 2019

 Managing task workflows and hiring of POLITICO's first data team. Building reporting dashboards in Domo and R Shiny, automating reformatting of billions of rows of data in a Universal Data Hub Redshift repository, querying data to answer business questions, and prescribing advanced analyses to spearhead data strategy.

Data Scientist, Booz Allen Hamilton Washington, DC, Mar 2016 – Jan 2018

 Reformatted 100 GB of climate data via parallelization; built ad hoc R Shiny and Tableau dashboards and applications modeling sea level rise, atmospheric heat change, and streamflow fluctuation for US Army Corps of Engineers.

Instructional Associate, General Assembly Alexandria, VA, Jan 2017 – Apr 2017

 Assisted instructor with machine learning/text mining curriculum development, graded Python coding assignments, and answered programming questions from mid-level executives taking an evening data science boot camp course.