

NICHOLAS B. ANDERSON

Data Scientist in NYC

732-882-2308 • nick.bruce.anderson@gmail.com • [linkedin.com/in/nickbruceanderson](https://www.linkedin.com/in/nickbruceanderson) • nickbruceanderson.github.io

Summary

A data enthusiast with 7 years' experience producing positive ROI at a Fortune 100 company for million-dollar initiatives.

Seeking a career shift to data science, where I can harness my knack for technical puzzle solving and storytelling.

With proficiency in predictive modeling, analytics, and reporting, I can deliver actionable insights and business solutions.

Skills

Programming	Data Analysis	Machine Learning	Big Data & More
<ul style="list-style-type: none">• SQL, Excel, Python• NumPy, Pandas, NLTK• Sci-Kit Learn, TensorFlow	<ul style="list-style-type: none">• Matplotlib, Seaborn, Tableau• A/B Testing, Segmentation• Sentiment Analysis	<ul style="list-style-type: none">• Classification, Regression• Clustering, NLP, AI• Feature Engineering	<ul style="list-style-type: none">• Spark, Hadoop, AWS• Statistics & Probability• Github, Office Suite

Experience

- Data Science Projects** – UDEMY Bootcamp, Portfolio Jan 2021 – Present

 - **Crafted NLP SMS-spam detection model achieving a 91% F-score (at 95% confidence)** by implementing a custom text preprocessor, TF-IDF vectorization, and Naïve Bayes modeling on a UCI dataset of 5500 texts.
 - **Built an eCommerce regression to find a \$38/hour per consumer profit opportunity** via train-test splits, elastic net, and cross validation to conclude user time on app leads to 38x more sales than time on website.
 - **Wrangled and cleansed terabytes of COVID-19 infection data using SQL to conduct** field transformation, string parsing, standardization, duplicate removal, predictive null imputation, and succinct feature selection.
 - **Mathematic & applied ML competencies:** linear & logistic regression, decision trees & random forests, support vector machines, K nearest neighbors, K means clustering, and principal component analysis.
 - **Distributed Systems and Big Data skills:** HDFS, Map Reduce, using Spark & MLlib for model evaluation.
 - **Adept in statistical concepts:** hypothesis testing, ANOVA, T-Test, Chi-Square, and Bayesian methodologies.

Sr. Business Analyst – Verizon Global Risk Compliance Team Jan 2016 – Mar 2019

 - **Netted \$5M in savings**, leading 105 cross-departmental offshoring projects to approval & go-live operation.
 - **Designed self-serve Tableau dashboard that reduced 20,000 hours of manual reporting per year**, enabling offshore KPIs via ETL design and collation of 50+ siloed data sources into a Hadoop data lake.

Business Analyst – Verizon Vendor Management Team Aug 2014 – Jan 2016

 - **Enhanced project milestone forecasting by 33%** through development of a Python app: Project Estimation Tool (PET). PET made timing predictions based on historical project milestone dates and features.
 - **Earned Six-Sigma award for process improvement**, overhauling 20+ VISIO workflows to simplify workflows.

Project Manager – Verizon IT Finance PMO Mar 2012 – Aug 2014

 - **Boosted ad-hoc project ROI reporting by 400%** using Excel pivot tables, VBA, VLOOKUP & other formulas.
 - **Increased customer base by 2.6 million**, managing AGILE projects for 20+ rural area telecom mergers.

Project Manager Intern – J.P. Morgan Fraud Analytics PMO Jun 2011 – Aug 2011

 - **Built custom UI, eliminating 2-week vendor development cycle**, using JavaScript, HTML, CSS, and PHP.

Project Manager Intern – Knight Capital Group Trade Platform PMO Jun 2009 – Oct 2009

 - **Optimized 4 Bloomberg report processes by creating Python scripts**, alleviating 8 hr/week of data entry.

Education



- Stevens Institute of Technology 2012 Graduate
Bachelor of Computer Science