

DAN FRIEDMAN

Data Scientist & Engineer

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Data Science blog: dfrieds.com

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github.com/dfrieds

SKILLS

Python, AWS, Terraform, SQL, Pandas, Matplotlib, Seaborn, analytics, data viz

EXPERIENCE

Data Science & Engineering Consulting | January 2017 - present

- Research for Chan Zuckerberg Initiative (CZI): inferred 30-40% of U.S. adults with criminal records, ~25M people, are eligible for criminal record expungement. Insights helped CZI lobby regulators for state and federal legislation of automatic record clearance solutions.
- Engineering at Tesla Motors: created Python library for drive simulation hardware to programmatically control car's 12V battery; tests validated Model 3's new features.
- DS Instructor at Santa Clara University: designed & taught curriculum for 11-week master's analytics course in Python for 30 students; received positive reviews from students.
- DS at startup: Created classifier predicting trial rate conversion for personal trainer app with ROC AUC score of 0.88; model assisted team to interact with leads more efficiently. Used insights from exploratory data analysis to make suggestions to engineering to redesign signup

WeWork | Data Scientist | June 2019 - October 2019 (part of company-wide layoff)

- Investigated user behavior flows in community manager app, found unexpected user patterns in event creation process and made suggestions on how to improve user experience
- Setup instrumentation, designed metrics and built dashboards to measure new features
- Helped design database fact tables on user feed activity and messages sent

TargetX | Data Scientist | September 2017 - October 2018

- Designed and implemented lead scoring model using engagement in social network app that estimated student college enrollment likelihood; guided Director of Admissions on outreach.
- Analyzed trends in customer data and produced 30+ data visualizations using Python and Plotly that were featured in customer-facing product.
- Identified bottlenecks in email deliverability product through SQL queries and internal Chartio dashboards; insights used to identify bugs and eventually fix in app to reduce time to send.
- Created metrics and visualizations to highlight product value for renewal sales decks; helped close multiple \$15K+ annual contracts.

Boosted Boards | Engineering Intern | April 2016 - December 2016

- Provided evidence for engineers to make hardware and software changes before production by identifying outliers and issues in riding telemetry.
- Created KPIs for engineering teams evaluating product performance from test riders highlighting engineering efforts towards hardware launch goals.

EDUCATION INSTITUTIONS

Metis | Data Science Immersion | April 2017 - July 2017

University of Michigan | B.B.A. & Certificate in Entrepreneurship | May 2013