

# Jacob Goffin

Strong Python developer, dreams in SQL. Statistical foundations to analyze data rigorously, and practical skills to productize it.

Years of experience translating data into business decisions. Looking to impact product design with data science solutions.

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## Education

**University of San Francisco - MSc in Data Science**

**Jul 2019 - Jul 2020**

Coursework: Machine Learning, Experimental Design, SQL, Deep Learning, Time Series, Distributed Computing

**University of Washington - BS in Applied Physics & Mathematics**

**Sep 2010 - Jun 2014**

Coursework: Modern Algebra, Linear Algebra, Data Structures & Algorithms, Database Systems, SQL, Calculus

## Work Experience

**Data Scientist, Accountability Counsel**

**Oct 2019 - Present**

- Create web-scraping scripts (Python/Selenium) to build a first-of-its kind database of human rights complaints
- Built document-search (Django/ElasticSearch) on thousands of pdf documents, allowing users to quickly find relevant human rights cases to support their research

**Business Intelligence Analyst, Uber**

**Sep 2018 - May 2019**

- Led design and implementation of “Global Weekly Marketing Dashboard”. Enabled performance marketers to track ad spending towards budget goals & identify strong-performing marketing channels
- Required creative problem-solving to work across teams, distill complex requirements, and combine disparate data sources via Tableau, SQL (Hive and Presto)

**Analytics Consultant, Tableau**

**Dec 2014 - Aug 2018**

- Led customers on projects optimizing data sources & dashboards (effectively analyzing large/complex datasets)
- Reduced load time of FLEX’s logistics command center dashboards (used by thousands of employees) from minutes to seconds by: optimizing SQL queries, data visualization best practices, and fine-tuning business metrics

## Projects

- **Healthcare Modeling:** Built an LSTM model in PyTorch to predict metrics for critically-ill patients
- **Music with Machine Learning:** Developed a web-application that leveraged Magenta (Google ML Platform) to process MIDI files and produce novel music samples through neural networks
- **Implementations:** Built Random Forest, Naive Bayes, Kmeans from scratch in Python

## Skills

**Programming Languages:** Python, SQL, Javascript, Java

**Data Science/Machine Learning:** Scikit-learn, Numpy, Pandas, PyTorch, Tableau, Spacy, Selenium, Beautiful Soup, ggplot2, Apache Spark, A/B Experiments, Multi-Armed Bandits, Matplotlib

**Programming Tools/Frameworks:** Git, Django, Flask, Regex, CSS, PyCharm, AWS CLI/EC2/S3, Docker, REST APIs