

# Jacob Goffin

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## Work Experience

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**Research Fellow, Accountability Counsel**

**Oct 2019 - Present**

- Created web-scraping scripts using Selenium to pull human rights complaint data from various financial development institutions. Included pulling and storing thousands of pdf documents.
- Data powered an online platform (Django web-app) in which researchers and communities can access open data on human rights complaints. Additionally, built flexible document search functionality into the platform (powered by Haystack & ElasticSearch).

**Business Intelligence Analyst, Uber**

**Sep 2018 - May 2019**

- Led design and implementation of a “Global Weekly Marketing Dashboard”. Enabled performance marketers to track ad spending towards budget goals & identify strong-performing marketing channels
- Built data sources and dashboards via Tableau, SQL (Hive and Presto)

**Analytics Consultant, Tableau**

**Dec 2014 - Aug 2018**

- Specialized in consulting engagements that required data & dashboard performance optimization (effectively visualizing large or complex datasets). Worked mainly with larger Enterprise companies in the Bay Area

## Education

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

**Jul 2019 - Jul 2020**

Coursework: Machine Learning, Design of Experiments, Statistical Modeling, SQL, Deep Learning, Ethics in DS, Time Series Analysis, 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

## Projects

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- **Healthcare Regression 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 new music samples

## Skills

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**Programming Languages:** Python, Javascript

**Data Science/Machine Learning:** Scikit-learn, Numpy, Pandas, PyTorch, NLTK, Selenium, BeautifulSoup, Tableau, ggplot2, Jupyter, Apache Spark, A/B Experiments, Multi-Armed Bandits

**Programming Tools/Frameworks:** AWS CLI, Git, REST APIs, PyCharm, Flask, Django