Wayde Herman

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Require Work Visa*

Skills

- Python
- SQL
- HTML / CSS
- D3.js

- Matplotlib/Seaborn
- Jupyter & iPython
- Scikit-Learn
- Machine Learning

- Web Scraping
- GIT & Github
- Probability & Statistics

Experience

MAY 2019 – PRESENT
Data Visualization Developer / **Freelance, Cape Town**
- Created interactive data visualizations and data analytics tools using d3.js, Javascript, HTML and CSS.
- Added custom functionality to existing open source d3.js charts.
- Incorporated deliverables into a variety of third party CMS including Wix and Wordpress.

OCT 2018 – DEC 2018
Data Scientist Intern / **DataProphet, Cape Town**
- Collaborated in developing models for financial time series forecasting for an investment firm.
- Beat client specified baselines by implementing transfer learning with CNN and RNN models using exchange-traded fund data.
- Delivered progress presentations to clients at weekly meetings.
- Used company's custom data pipeline API as well as SQL to construct unified views for machine learning model pipeline for a manufacturing client.
- Debugged various front-end tickets focusing on Jenkins and React issues.

MAY 2012 – MAR 2017
Manager then Co-Owner / **Untamed Youth, Cape Town**
- Brand building and marketing, both traditional and digital, focusing on social media.
- Directed the planning and executing of over 250 events, of up to 1000 attendees, during this time frame.
- Maintained relationships with venues, musical artists and sponsors.
- Increased average attendance by ~200%.
- Managed finances including securing numerous sponsorship deals.

Education

DEC 2014
Bachelor of Science in Civil Engineering (4-year degree) / **University of Cape Town, South Africa**
- Completed a research thesis titled 'Investigating the influence of hydrogel injections into the infarcted heart.'

OCT 2018
Deep Learning Specialization / **Deeplearning.ai, Coursera**

Additional Information / Projects

- **Top 2% in Kaggle's CareerCon 2019 competition.**
- **Finished 5th (out of ~1600) in mlcourse.ai, an applied machine learning course by OpenDataScience.**
- Built an end-to-end calibrated 'expected goals' classification model pipeline for football, from web-scraping to prediction.
- Built an end-to-end match prediction model for football.
- Completed IBM's 'Data Visualization with Python' course on Coursera.
- Regularly attend machine learning meetup events.