Yishai Rasowsky

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Professional Experience

Machine and Deep Learning:
Machine Learning Specialist, SMRTflow – Jerusalem, Israel. November 2019 – Present.
- Entity detection from text and PDF
  - High resolution lease contract abstraction.
  - Automate tagging and population of fields, e.g. starting/cancellation date, contract type, etc.

Data Science Intern, Cnvrg.io – Jerusalem, Israel. Summer 2019
- Constructed and published python libraries for machine learning algorithms.
  - K-means – Supervised and unsupervised clustering.
  - LSTM with Keras – Prediction of time series for daily temperature.
- Completed showcase projects using various machine learning algorithms.
  - Implemented product recommendation engine using NLP TF-IDF Vectorizer.
  - Created weather forecaster using Facebook's Prophet.
  - How to build a dataset with webscraping using BeautifulSoup.
  - Exploratory Data Analysis concerning fraud detection.
- Composed and compiled explanations of numerous data science concepts
  - For "ML Dictionary", a google chrome app that provides definitions of ML terminology.

Other Fields:
Administrative Assistant, Kollel Klal, 2017-2018
Accounting Innovations, Ohr Somayach Kollel, 2013-2017
Instructor of Talmud and Jewish Law, Yeshivas Ohr Somayach, 2012-2017
Laboratory Research Fellowship, Electro-optical crystal laser laboratory, Technion Summer 2006
Laboratory Research Fellowship, Quantum nano-magnetic hysteresis, Amherst, Summer 2005
Tutor in Math and Science, Amherst College, 2004-2008

Education

- ***Data science and Machine Learning Certificate*, IBM**, July 2019
  - Practiced executing data-driven solutions to increase efficiency and accuracy. Created data regress ion models with visualization using predictive data modeling. Analyzed data mining algorithms to deliver insights. Implemented action-oriented solutions to complex business problems.
- ***Udacity*, *Studied Independently Online***, May 2018 - January 2019
  - Proficient in Python and Github. Knowledgeable in SQL, HTML, CSS, Javascript.
- ***Technion**, Israel Institute of Technology,* Haifa Israel, Advanced Physics, Semester 2010
- ***Ohr Somayach Institutions***, Jerusalem, Israel, In-depth analytical study of Talmud, 2008-2017
- ***Amherst College***, Amherst MA, BA in Math and Physics with Honors, 2004-2008
- ***University of Bristol***, Bristol, UK, Advanced Physics, Spring 2007
- ***Budapest Semesters in Mathematics***, Budapest, Hungary, Advanced Mathematics, Fall 2006

Published Works

- *Quantum Thesis Cum Laude: https://www.amherst.edu/media/view/58703/originaSl/jesse_thesis.pdf*
- *Personal Projects: https://github.com/yishairasowsky/bible_search*

Additional Skills

- Proficient in Python. Knowledge of HTML, CSS, Javascript, Java, SQL, Excel, Power Point.
- Experience in relational and non-relational database software.
- Fast and Independent Learner, Team Player, Strong communication and writing skills, Industrious, Organized, Excellent work ethic, Innovative/creative, Articulate, Analytical and mathematical approach, Passionate about solid data-driven solutions, Diplomatic, Public Speaking, Teaching.

References available upon request