

# YISHAI RASOWSKY

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Quantum Entanglement Thesis: [http://www.amherst.edu/media/view/58703/original/jesse\\_thesis.pdf](http://www.amherst.edu/media/view/58703/original/jesse_thesis.pdf)

I love algorithms and machine learning, and am ready for my next challenge. I just produced the multi-label text topic classifier for [sefaria.org](http://sefaria.org). Before that, I created from scratch the named entity recognition FinTech application for [smrtflow.com](http://smrtflow.com). I am excited to: perfect ML model training; automate efficient validation techniques; create brilliant algorithms; and implement DNNs to solve problems in NLP and computer-vision.

## PROFESSIONAL EXPERIENCE

2020 May - July

### MACHINE LEARNING AND NLP SPECIALIST, SEFARIA, JERUSALEM.

- Created from scratch multi-label text topic classifier using sci-kit learn.
- Achieved over 90% precision for many topics.

2019 Nov – Apr

### MACHINE LEARNING AND NLP SPECIALIST, SMRT, JERUSALEM.

- Created from scratch entity extractor for lease contracts using rule-based logic.
- Developed interactive confusion matrix and statistics for evaluating predictions.
- Achieved accuracy of >90% for some entities; boosted precision/recall by 20%.

2019 Aug - Sept

### DATA SCIENCE SUMMER INTERNSHIP, CNVRG.IO, JERUSALEM.

- Implemented product recommendation engine using NLP TF-IDF Vectorizer.
- Constructed and published python libraries for k-means and LSTM algorithms.
- Completed showcase projects using Prophet, BeautifulSoup, and Sci-kit Learn.
- Composed explanations of data science concepts for published Chrome app.

## TRAINING AND CERTIFICATIONS

2019

### DATA SCIENCE AND MACHINE LEARNING CERTIFICATE, IBM, ONLINE.

- Executed data-driven solutions to increase efficiency and accuracy.
- Created data regression models with visualization using predictive data modeling.

2018

### PROGRAMMING COURSE, UDACITY, ONLINE.

- Achieved proficiency in Python, Numpy, Pandas, and Github.
- Implemented knowledge acquired in SQL, HTML, CSS, Javascript.

## EDUCATION

2008 – 2018

### ADVANCED TALMUD, OHR SOMAYACH, JERUSALEM.

- Excelled in Gemara study with both encyclopedic breadth, and in-depth analysis.
- Granted semicha (rabbinical ordination) from HaGaon Rav Zalman Nechemya Goldberg.

2004 – 2008

### HONORS B.A. IN MATH AND PHYSICS, AMHERST COLLEGE, AMHERST MASS.

- Honors physics thesis in quantifying entanglement of QM states.
- Outstanding score on the comprehensive exam in mathematics.

## SKILLS

- Can develop and select ML models
- Experience with TensorFlow and SKlearn
- Scripting, Linux, and Kubernetes
- Quickly learn new technologies
- Creative thinking and problem solving
- Industrious and organized