**YISHAI RASOWSKY**

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[**Portfolio**](https://github.com/yishairasowsky/professional_qualifications/blob/master/portfolio.md) **|** [**Github**](https://github.com/yishairasowsky) **|** [**Linked-In**](https://www.linkedin.com/in/yishai-rasowsky-a28189164/) **|** [**Quantum Thesis**](http://www.amherst.edu/media/view/58703/original/jesse_thesis.pdf)

I am a very organized self-taught software developer who writes clean code. I am passionate about solving real business problems by designing successful algorithms and machine learning models. My advanced physics and mathematical background makes me a great problem solver.

**SKILLS**

* Selecting and developing ML models
* Scripting, Linux, and Kubernetes
* Learning new technologies quickly
* Creative thinking
* Systematic problem solving
* Industrious and organized

**EXPERIENCE**

**INDEPENDENT CONSULTANT**

* **SLIDEO,** 2021

Created algorithm to extract keywords from Hebrew sentences, obivating the need for translation. Developed a formula for prediction that focused on relevant parts-of-speech, and dependencies. Used YAP for POS tagging and dependency parsing , Pandas, SpaCy.

* **WAYMARK.TECH,** 2021

Enhanced reference extractor for legal documents. Boosted precision and recall by 50%. Used RegEx, Pandas, AWS: S3 Buckets.

**DATA SCIENTIST**, **SEFARIA,** 2020

* Created NLP multi-label classifier to assign topic labels to text passages.
* >95% precision, 36% recall. Designed algorithm specifically for high precision.
* Dataset was bilingual, in ancient Hebrew and English.
* Leveraged knowledge graph to enable hierarchical classification.
* Used Pandas, Scikit-Learn, Scikit-MultiLearn, MatPlotLib, Seaborn, Kubernetes.

**PYTHON DEVELOPER**, **SMRT,** 2019

* Created NLP entity extractor for lease contracts using rule-based logic.
* Developed interactive confusion matrix and statistics to evaluate predictions.
* Achieved accuracy of >90% for some entities; boosted precision/recall by 20%.
* Used Pandas, Scikit-learn, SpaCy, Amazon Web Services, MatPlotLib, Seaborn.

**EDUCATION**

**HONORS B.A. IN MATH AND PHYSICS**, **AMHERST COLLEGE,** 2008

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

**ADVANCED TALMUD**, **OHR SOMAYACH,** 2008-18

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

**CERTIFICATIONS**

**DATA SCIENCE AND MACHINE LEARNING CERTIFICATE**, **IBM,** 2019

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

**PROGRAMMING COURSE**, **UDACITY**, 2018

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

**Yoel Krupnik**

Co-Founder and CTO @ smrt

Former Technology Manager @ Mobileye

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21st April 2020

To Whom It May Concern:

I highly recommend Yishai Rasowsky for various python programming roles – data science, tools/apps development or algorithmic related tasks.

I was Yishai’s direct manager for the past 6 months at smrt. Yishai was responsible for developing our algorithms for automatically extracting specific terms from PDF contracts and for developing tools for visualizing the results and statistics.

Yishai displayed a high level of analytical thought, logic, problem solving, coding and getting down into the details.

In addition to all, Yishai is a great team player, highly motivated and eager to learn and develop overtime to acquire new skills and improve the existing ones. Please let me know if I can provide any more information to strengthen my recommendation.

Sincerely,

**Yoel Krupnik**