

Yoni Nachmany

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EDUCATION

University of Pennsylvania, Philadelphia, PA

M.S.E. in Data Science

May 2019

- [Courses](#): F1/10 Autonomous Racing Cars, Vision & Learning, Data Mining, Big Data Analytics, Thesis: Road Network Detection in Developing Countries with High-Resolution Earth Imagery.

B.S.E. in Networked and Social Systems (GPA: 3.30/4.00)

May 2018

- [Gun Violence Database](#): automated crowdsourced information extraction of articles with NLP.
- [Human Computation 2017](#): presented poster on crowdsourced summaries of privacy policies.

EXPERIENCE

Radiant Earth Foundation, *Geospatial ML Intern*, Oakland, CA

Jun 2018 - Aug 2018

- [Nonprofit](#) providing open access and analytics on Earth imagery for global development.
- [Global Land Cover Classification Training Dataset](#): for project funded by Schmidt Futures, generated semantic segmentation for 8 classes at over 80% model accuracy in 3 European test sites by training Random Forests on 10 meter resolution satellite imagery using SciKit-Learn.

Azavea, *Open Source Software Fellow*, Philadelphia, PA

Jun 2017 - Dec 2017

- [B Corporation](#) creating civic geospatial web software while advancing state-of-the-art research.
- [GeoTensorFlow](#): enabled Scala geospatial data processing engine to run trained Python models.
- [Planet-Amazon Kaggle](#): under VP of Research, interactively showed tagging results on a map.

Hack4Impact, *Software Developer*, Philadelphia, PA

Sep 2014 - Dec 2017

- [Student organization](#) building software applications to help nonprofits maximize their impact.
- [Asylum Connect Catalog](#): specified product with client and led development of Flask backend.
- [Transcribe4All](#): enabled concurrent transcription of audio links, identifying search terms, in Go.

Meetup, *Core Engineering Intern*, New York, NY

May 2016 - Aug 2016

- [Social network](#) of 3M monthly attendees, 40M members, and 300K Meetup groups globally.
- [App relaunch](#): under Senior API Engineer, sped queries and fixed API bugs in Java and Scala.

Clarifai, *Machine Learning Research Intern*, New York, NY

May 2015 - Aug 2015

- [AI startup](#) in visual recognition, won top five places in image classification at ImageNet 2013.
- [Shot boundary detection](#): led by CTO, built Django demo of dataset to facilitate video tagging.

SKILLS

Data: NumPy, Pandas, Matplotlib. PySpark, Elastic MapReduce. SciKit-Learn, PyTorch, TensorFlow.

Programming: Python, Flask, SQLAlchemy, Git, Unix. Java, Scala. JavaScript, Go. Matlab, C++, OCaml.

Leadership: Hack4Impact executive board, PennQuest orientation trip, Penn Alternative Breaks trip.