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, *Geospatial Machine Learning Intern*, Oakland, CA   *Jun 2018 - Present*
- [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 three European test sites by training Random Forests on 10 m 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](#): allowed models trained with a Python library to be run in a Scala ecosystem.
- [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, SciKit-Learn, PySpark, Elastic MapReduce, TensorFlow, PyTorch.
Programming: Python, Flask, SQLAlchemy, Git, Java, Scala, JavaScript, Node.js, Matlab, Go, OCaml.
Leadership: Hack4Impact executive board, PennQuest orientation trip, Penn Alternative Breaks trip.