

# Yoni Nachmany

YoniNachmany@Gmail.com | (646) 717-3333 | [LinkedIn](#) | [GitHub](#) | [Twitter](#)

## 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, Unix, Java, Scala, JavaScript, Matlab, Go, OCaml, C++.

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