**Yoni Nachmany**

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EDUCATION

**University of Pennsylvania**, Philadelphia

*M.S.E. in Data Science**Aug 2018 - May 2019*

* [**Courses**](https://dats.seas.upenn.edu/):F1/10 Autonomous Racing Cars, Vision & Learning, Data Mining**,** Practicum**:** Road Network Detection in Developing Countries with High-Resolution Earth Imagery.

*B.S.E. in Networked and Social Systems (GPA: 3.30/4.00)**Aug 2014 - May 2018*

* [**Gun Violence Database**](https://mappinggunviolence.herokuapp.com/): automated crowdsourced information extraction of articles.
* [**Human Computation**](https://www.humancomputation.com/2017/papers.html#wip): presented poster on crowdsourced summaries of privacy policies.

EXPERIENCE

**Radiant.Earth**, *Geospatial Machine Learning Intern*, Oakland *Jun 2018 - Aug 2018*

* [**Nonprofit**](https://www.radiant.earth/about/) providing open access and analytics on Earth imagery for global development.
* **Global** [**Land Cover Data**](https://medium.com/radiant-earth-insights/radiant-earth-launches-new-technical-working-group-on-machine-learning-for-global-development-152b3144735e)**set**: labeled pixels at 10m spatial resolution with 8 classes.

**Azavea**, *Open Source Software Fellow*, Philadelphia *Jun 2017 - Dec 2017*

* [**B Corp**](https://www.azavea.com/) creating civic geospatial web software while advancing state-of-the-art research.
* [**GeoTensorFlow**](https://github.com/yoninachmany/geotensorflow): integrated deep learning and geospatial big data processing libraries.
* [**Kaggle demo**](https://github.com/azavea/planet-amazon-ai-demo/tree/ys/initial-setup): built Scala backend for top 25 model tagging rainforest satellite imagery.

**Hack4Impact**, *Software Developer*,Philadelphia *Sep 2014 - Dec 2017*

* [**Nonprofit**](https://hack4impact.org/) collaborating with nonprofits on software for social and humanitarian needs.
* [**AsylumConnect Catalog**](https://github.com/AsylumConnect/asylum-connect-catalog): led team building Flask app with resources for LGBTQ asylees.
* [**Data apps**](https://hack4impact.org/projects/): developed Nonprofit Overhead Analyzer and Transcribe4All in Java and Go.

**Meetup**, *Core Engineering Intern*, New York *May 2016 - Aug 2016*

* [**Social network**](https://www.meetup.com/media) of 3M monthly attendees, 40M members, and 300K Meetup groups.
* [**App relaunch**](http://blog.meetup.com/meet-new-meetup/): fixed API bugs under Senior API Engineer in Java, Scala, and Python.

**Clarifai**, *Machine Learning Research Intern*, New York *May 2015 - Aug 2015*

* [**AI startup**](https://clarifai.com/about) in visual recognition, top five places in image classification at ImageNet 2013.
* [**Shot Boundary Detection demo**](http://www-nlpir.nist.gov/projects/trecvid/shots.html): built Django app of labeled data for future research.

SKILLS

**Data**: NumPy, Pandas, SciKit-Learn, TensorFlow, PyTorch, Spark, Amazon Elastic MapReduce.

**Programming**: Python, Flask, SQLAlchemy, Git, Java, Scala, JavaScript, Node.js, Matlab, Go.

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