**Yoni Nachmany**

@YoniNachmany | [Gmail](mailto:YoniNachmany@Gmail.com) | [LinkedIn](https://www.linkedin.com/in/YoniNachmany) | [GitHub](https://github.com/YoniNachmany) | [Twitter](https://twitter.com/YoniNachmany)

**EDUCATION**

**University of Pennsylvania (UPenn)**, Philadelphia **August 2014 - May 2018**

**B.S.E. in Networked and Social Systems Engineering (NETS)** *GPA 3.41/4.00*

* [Specialized computer science degree](http://www.nets.upenn.edu/) on networks, crowds, markets, and the Internet.
* Courses: [Big Data Analytics](https://www.cis.upenn.edu/~zives/bigdata/), [Deep Learning for Automated Discourse](http://dialog-systems-class.org/), [Scalable/Cloud Computing](https://www.cis.upenn.edu/~nets212/), [Crowdsourcing/Human Computation](http://crowdsourcing-class.org/), [Theory of Networks](https://sites.google.com/site/mkse312spring13/home), [JavaScript](https://www.seas.upenn.edu/~cis197/), [Go](https://www.seas.upenn.edu/~cis193/).
* Teaching Assistant for inaugural “Foundations of Data Science” course in Fall 2017.

**Hunter College High School**, New York **June 2014**

Audited [Advanced Programming](mailto:http://www.cs.columbia.edu/~jae/3157/), in C, at Columbia University. *GPA 94.3/100.0, SAT 2330/2400*

**EXPERIENCE**

**Open Source Software Fellow**, Azavea, Philadelphia **June 2017 - present**

* [B Corp](https://www.azavea.com/about/) creating geospatial web software while advancing state-of-the-art research.
* Demoed Raster Vision’s top 25 image tagging in a [Kaggle contest for Planet](https://www.kaggle.com/c/planet-understanding-the-amazon-from-space), [in Scala](https://github.com/azavea/planet-amazon-ai-demo/tree/ys/initial-setup/app-backend).
* Built [GeoTensorFlow](https://github.com/yoninachmany/geotensorflow/tree/master/src/main/scala/demo): Raster Vision models run in GeoTrellis, a data processing engine.
* Wrote a Python [GeoNotebook](https://github.com/geodocker/geodocker-jupyter-geopyspark/pull/27) demonstrating use of SpaceNet satellite imagery data.

**Software Developer, Hack4Impact**, UPenn **September 2014 - present**

* [Nonprofit](https://hack4impact.org/) collaborating with nonprofits on software for social and humanitarian needs.
* PM of [AsylumConnect Catalog](http://asylumconnectcatalog.org/), resource explorer for LGBTQ asylum seekers, [in Flask](https://github.com/AsylumConnect/asylum-connect-catalog).
* Served on the Executive Board as External Relations Chair for three semesters.

**Core Engineer Intern, Meetup**, New York **May-August 2016**

* [Global network](https://www.meetup.com/about/) of 32M Members, 288K Meetup Groups, and 614K Monthly Meetups.
* Enabled code and test generation by programmatically migrating API docs to Swagger.
* Fixed API bugs for [app relaunch](http://blog.meetup.com/meet-new-meetup/), in Java, Scala, and Python, under Senior API Engineer.

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

* [AI startup in visual recognition](https://clarifai.com/about), top five places in image classification at ImageNet 2013.
* Built Django app of TRECVID’s [shot boundary detection](http://www-nlpir.nist.gov/projects/trecvid/shots.html) labeled data for future research.
* Performed literature review on [video scene segmentation](http://crcv.ucf.edu/papers/01658031.pdf), grouping shots semantically.
* **hackNY Fellows Program**, introducing students to NYC’s startup ecosystem.

**LEADERSHIP**

**Leader, PennQuest outdoor orientation**, Appalachian Trail **March 2015 - present**

**Site Leader, UPenn Alternate Spring Break**, North Carolina **September 2016 - March 2017**