**Yoni Nachmany**

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**EDUCATION**

**University of Pennsylvania (UPenn)**, Philadelphia *GPA 3.41/4.00*

**M.S.E. in Data Science September 2017 - May 2019**

* **Concentrations**: Data-Centric Programming, Big Data Analysis, Artificial Intelligence.

**B.S.E. in Networked and Social Systems Engineering August 2014 - May 2018**

* Presenting paper on crowdsourcing summaries of privacy policies at HCOMP 2017.
* Teaching Assistant for inaugural “Foundations of Data Science” course in Fall 2017.

**EXPERIENCE**

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

* [B Corp](https://www.azavea.com/about/) creating civic geospatial web software while advancing state-of-the-art research.
* Wrote [Scala backend](https://github.com/azavea/planet-amazon-ai-demo/tree/ys/initial-setup) for demo of top 25 model in tagging rainforest satellite imagery.
* Built [GeoTensorFlow](https://github.com/yoninachmany/geotensorflow): Raster Vision models run in GeoTrellis, a data processing engine.
* Created [GeoNotebook](https://github.com/geodocker/geodocker-jupyter-geopyspark/pull/27) demonstrating use of SpaceNet satellite data for future research.

**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](https://github.com/AsylumConnect/asylum-connect-catalog), resource explorer for LGBTQ asylum seekers, in Flask.
* Served on the Executive Board as External Relations Chair for three semesters.

**Core Engineering 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 structuring API docs in Swagger.
* Fixed [app relaunch](http://blog.meetup.com/meet-new-meetup/) API bugs 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), won top image classification prize 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**