**Yoni Nachmany**

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**EDUCATION**

**University of Pennsylvania (UPenn)**, Philadelphia *GPA 3.31/4.00*

**M.S.E. in** [**Data Science**](https://dats.seas.upenn.edu/) **September 2017 - May 2019**

* Participating in Kaggle’s [2018 Data Science Bowl](https://www.kaggle.com/c/data-science-bowl-2018), to find the nuclei in divergent images.

**B.S.E. in** [**Networked and Social Systems**](https://www.nets.upenn.edu/) **August 2014 - May 2018**

* Automating construction of [Gun Violence Database](http://gun-violence.org/) with statistical NLP technologies.
* Presented paper on crowdsourcing summaries of privacy policies at [HCOMP 2017](https://www.humancomputation.com/2017/papers.html#wip).

**EXPERIENCE**

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

* [B Corp](https://www.azavea.com/about/) creating civic geospatial web software while advancing state-of-the-art research.
* Demoed top 25 Kaggle model for tagging rainforest satellite imagery with [Scala app](https://github.com/azavea/planet-amazon-ai-demo/tree/ys/initial-setup).
* Linked deep learning and geospatial data processing libraries with [GeoTensorFlow](https://github.com/yoninachmany/geotensorflow).
* Demonstrated use of [SpaceNet satellite data in GeoNotebook](https://github.com/geodocker/geodocker-jupyter-geopyspark/pull/27) for future research.

**Software Developer, Hack4Impact**, UPenn **September 2014 - December 2017**

* [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.
* Developed Nonprofit Overhead Analyzer and Transcribe4All in Flask, Java, and Go.

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

* [Social network](https://www.meetup.com/about/) of 3M monthly attendees, 35M members, and 300K Meetup groups.
* Enabled code and test generation by programmatically converting doc to [OpenAPI spec](https://swagger.io/).
* 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](https://clarifai.com/about) in visual recognition, 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](https://apply.hackny.org/).

**LEADERSHIP**

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

**External Relations Chair, Executive Board**, Hack4Impact **May 2015 - December 2016**

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