**Yoni Nachmany**

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EDUCATION

**University of Pennsylvania**, Philadelphia

*M.S.E. in Data Science (GPA: 3.70/4.00)**Sep 2017 - May 2019*

* [**Gun Violence Database**](http://gun-violence.org/about): automating information extraction on local news articles.
* [**2018 Data Science Bowl**](https://www.kaggle.com/c/data-science-bowl-2018): participating in Kaggle to find nuclei in divergent images.

*B.S.E. in Networked and Social Systems (GPA: 3.31/4.00)**Aug 2014 - May 2018*

* [**HCOMP 2017**](https://www.humancomputation.com/2017/papers.html#wip): presented paper on crowdsourcing summaries of privacy policies.
* [**Courses**](https://catalog.upenn.edu/undergraduate/courses/nets/): Crowdsourcing and Human Computation, Scalable and Cloud Computing.

EXPERIENCE

**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.
* [**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.
* [**GeoTensorFlow**](https://github.com/yoninachmany/geotensorflow): connected deep learning and geospatial big data processing libraries.
* [**SpaceNet GeoNotebook**](https://github.com/geodocker/geodocker-jupyter-geopyspark/pull/27): demonstrated use of satellite dataset for future research.

**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 building Flask backend of 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, 35M members, and 300K Meetup groups.
* [**OpenAPI**](https://swagger.io/): enabled code and test generation by programmatically migrating docs.
* [**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.
* [**hackNY Fellows Program**](https://apply.hackny.org/): program introducing students to NYC’s startup ecosystem.

SKILLS

**Data**: NumPy, Pandas, Matplotlib, PySpark, Amazon EMR, SciKitLearn, TensorFlow, PyTorch.

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

**Leadership**: PennQuest outdoor orientation, Hack4Impact Exec Board, Alternate Spring Break.