Yoni Nachmany

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EDUCATION

University of Pennsylvania, Philadelphia

M.S.E. in Data Science   *Aug 2018 - May 2019*
- **Courses**: 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**: automated crowdsourced information extraction of articles.
- **Human Computation**: presented poster on crowdsourced summaries of privacy policies.

EXPERIENCE

Radiant.Earth, *Geospatial Machine Learning Intern*, Oakland   *Jun 2018 - Aug 2018*
- **Nonprofit** providing open access and analytics on Earth imagery for global development.
- **Global Land Cover Dataset**: labeled pixels at 10m spatial resolution with 8 classes.

Azavea, *Open Source Software Fellow*, Philadelphia   *Jun 2017 - Dec 2017*
- **B Corp** creating civic geospatial web software while advancing state-of-the-art research.
- **GeoTensorFlow**: integrated deep learning and geospatial big data processing libraries.
- **Kaggle demo**: built Scala backend for top 25 model tagging rainforest satellite imagery.

Hack4Impact, *Software Developer*, Philadelphia   *Sep 2014 - Dec 2017*
- **Nonprofit** collaborating with nonprofits on software for social and humanitarian needs.
- **AsylumConnect Catalog**: led team building Flask app with resources for LGBTQ asylees.
- **Data apps**: developed Nonprofit Overhead Analyzer and Transcribe4All in Java and Go.

Meetup, *Core Engineering Intern*, New York   *May 2016 - Aug 2016*
- **Social network** of 3M monthly attendees, 40M members, and 300K Meetup groups.
- **App relaunch**: 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** in visual recognition, top five places in image classification at ImageNet 2013.
- **Shot Boundary Detection demo**: 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.