

Nick Locascio

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Education

Bachelors of Science - Computer Science June 2016
Masters of Engineering - Computer Science June 2017
Massachusetts Institute of Technology

Expertise

- Deep Learning, Computer Vision, Machine Learning, Artificial Intelligence
- Natural Language Processing, Machine Learning in Healthcare

Authorship

Fundamentals of Deep Learning (Book, O'Reilly Media)

- *Co-Author, Editor*
 - Co-Author and editor of O'Reilly's Fundamentals of Deep Learning book.

6.S191: Introduction to Deep Learning (Course, MIT)

- *Founder, Lead Organizer, and Lecturer*
 - Founded and taught MIT's first course on Deep Learning to over 300 students, with sponsorship from Google Brain, NVIDIA, Amazon Echo, and IBM Watson.

Machine Learning with Scikit-Learn and Tensorflow (MOOC, Packt Media)

- *Creator, Lecturer*
 - Created and taught an online video course about hands-on machine learning.

Research

High-Risk Breast Lesions: A Machine Learning Model to Predict Pathologic Upgrade and Reduce Unnecessary Surgical Excision

- Developed machine learning model for reducing unnecessary surgical excisions for patients with High-Risk Lesions. Work done in collaboration with MGH.
- Accepted, Journal of Radiology 2017.

Neural Generation of Regular Expressions from Natural Language with Minimal Domain Knowledge

- Neural Attention Model for generating Regular Expressions given natural language descriptions.
- Accepted, EMNLP 2016

Industry

GeoPredict — San Francisco

- *Founder, Chief Scientist* Dec 2017 - current
 - Creating next generation of deep learning in the natural resource market.

Symantec — Remote

- *Deep Learning Consultant* 2016 - 2017
 - Built deep learning systems for dynamic cyber threat and insurance modeling.
 - Worked on cybersecurity machine learning theory as it relates to the bounds on cyberinsurance market profitability.

Perch Fitness — Cambridge, MA

- *Computer Vision Engineer* June 2016 – Sept 2016
 - Developed automatic exercise classification from video with deep CNN's.
 - Developed facial recognition login, barbell path, and form tracking systems.

Pinterest — San Francisco, CA

- *Machine Learning Engineer* June 2015 – Sept 2015
 - Worked on Recommendations team building machine learning models with big data pipelines.
 - Enhanced our in-house DSL for iterating and deploying our machine learning models.

Skills

Languages: Python, Java, C++, Javascript
Tools: TensorFlow, PyTorch, numpy, scipy, keras, Node, React