

# Ini Oguntola

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## Education

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### Carnegie Mellon University

Ph.D. Candidate in **Machine Learning** advised by Katia Sycara

Pittsburgh, PA

2019 – present

### Massachusetts Institute of Technology

M.Eng. in **Electrical Engineering and Computer Science** concentrating in **Artificial Intelligence**

Cambridge, MA

2015 – 2019

B.S. in **Computer Science and Engineering**

B.S. in **Mathematics**

## Experience

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### MIT CSAIL – Research Assistant

Cambridge, MA

With Amar Gupta

2019

- Worked on deep representation learning for time-series ICU data using Transformer models.

With Josh Tenenbaum's Lab

2018

- Worked on few-shot image classification and generation via compositional object understanding.

With Tomaso Poggio's Lab

2017 – 2018

- Worked with the Center for Brains Minds and Machines on the development of a new deep learning framework.

### Microsoft Research – Research Intern

Redmond, WA

With Nebojsa Jojic

2018

- Worked on creating domain-specific conversational agents.

### MIT Media Lab – Undergraduate Researcher

Cambridge, MA

With Deb Roy's Lab

2017 – 2018

- Designed a hybrid model integrating GloVe and WordNet to generate semantic word associations for an interactive language learning tool.

### Google – Software Engineering Intern

San Bruno, CA

YouTube

2017

- Experimented with different models using Google's Knowledge Graph to build a system for clustering videos in YouTube Go.

### Google – Engineering Practicum Intern

Mountain View, CA

iOS Development

2016

- Worked on the iOS development of an experimental social product.

## Publications

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\* indicates equal contribution

- Ini Oguntola. **Learning Deep Patient Representations for the TeleICU**. Master's Thesis, 2019.
- Ini Oguntola\*, Subby Olubeko\*, Christopher Sweeney\*. **SlimNets: An Exploration of Deep Model Compression and Acceleration**. IEEE HPEC 2018.

## Other Projects

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All on GitHub

**Tint:** Automatic colorization of black and white images using conditional generative adversarial networks in TensorFlow.

**Slide:** An iOS version of the 8-block, 15-block, and 24-block sliding puzzles. Has accumulated over 20K downloads on the App Store.

**NumTy:** A number theory library for Python 2.7.

## Teaching

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### Teaching Assistant at MIT – Math for Computer Science (6.042/18.062)

Spring 2019

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## Skills and Interests

**Skills:** C++ • C# • Objective-C • Java • Python • Swift • MATLAB • SQL

**Libraries:** PyTorch • TensorFlow • CUDA • Keras • Pandas • Scikit-Learn • OpenCV • NLTK

**Interests:** Deep Learning • Reinforcement Learning • Natural Language Processing • Computer Vision • Artificial Intelligence

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## Awards

Best Student Paper Finalist @ IEEE HPEC 2018

2018

Apple WWDC Student Scholarship Winner

2015