

Ini Oguntola

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Education

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**

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

B.S. in **Mathematics**

Cambridge, MA

2015 – 2019

Experience

MIT CSAIL – Research Assistant

With Amar Gupta

Cambridge, MA

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

With Nebojsa Jojic

Redmond, WA

2018

- Worked on creating domain-specific conversational agents.

MIT Media Lab – Undergraduate Researcher

With Deb Roy's Lab

Cambridge, MA

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

YouTube

San Bruno, CA

2017

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

Google – Engineering Practicum Intern

iOS Development

Mountain View, CA

2016

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

Publications

* 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

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

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

Spring 2019

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

Awards

Best Student Paper Finalist @ IEEE HPEC 2018

2018

Apple WWDC Student Scholarship Winner

2015