Ini Oguntola

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Education

Carnegie Mellon University — Pittsburgh, PA
Ph.D. Candidate in **Machine Learning** advised by Katia Sycara — 2019 – present

Massachusetts Institute of Technology — Cambridge, MA
M.Eng. in **Electrical Engineering and Computer Science** concentrating in **Artificial Intelligence** — 2015 – 2019
B.S. in **Computer Science and Engineering**
B.S. in **Mathematics**

Experience

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

* 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

Teaching Assistant at MIT – Theory of Computation (6.840/18.404) Fall 2018

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