

IFUEKO NOSAKHARE IGBINEDION

CURRICULUM VITAE

ifueko@mit.edu

www.ifueko.com

[Google Scholar Profile](#)

EDUCATION

Massachusetts Institute of Technology, Cambridge, MA

Ph.D. Electrical Engineering and Computer Science

Expected June 2022

Stanford University, Stanford, CA

M.S. Electrical Engineering

June 2017

B.S. Computer Science

June 2016

PROFESSIONAL EXPERIENCE

Research Intern, MIT Lincoln Laboratory

Lexington, MA

May 2019 to July 2019

Software Engineering Intern, Google

Mountain View, CA

June 2018 to August 2018

- Mobile vision research: Developed methods of training embedding models using data with noisy labels.

Software Engineering Intern, Verily

Mountain View, CA

June 2017 to September 2017

- Developed firmware for gPatch, a continuous glucose and activity monitor.

Software Engineering Intern, Google

Mountain View, CA

June 2016 to September 2016

- Google Cardboard: Developed camera based 6 degree of freedom tracking applications for Android.

Software Engineering Intern, Google

Mountain View, CA

June 2015 to September 2015

- Developed a computer vision application for automated robotic touch device testing.

Software Engineering Intern, Google

Cambridge, MA

June 2014 to September 2014

- Developed a machine learning application for hotel clustering error detection.

Linux Development Engineering Intern, IBM

Hillsboro, OR

June 2013 to September 2013

- Developed custom Linux distributions for ARM architecture microcontrollers.

ACADEMIC EXPERIENCE

Research Assistant, Laboratory for Information and Decision Systems

September 2019 to Present

Advisor: Prof. Sertac Karaman

Massachusetts Institute of Technology

- Develops datasets and algorithms for 3D reconstruction of real-world scenes using swarms of aerial vehicles and deep learning.

Teaching Assistant

September 2018 to December 2018

Massachusetts Institute of Technology

- 6.869/6.819: Advances in Computer Vision

Course Assistant

September 2015 to June 2017

Stanford University

- CS 108: Object Oriented System Design, CS 194: Senior Software Project

Research Programmer, Virtual Human Interaction Lab

September 2014 to June 2015

Stanford University

- Developed virtual worlds and processed data in python using the Oculus Rift and Microsoft Kinect.

Research Assistant, Transformative Learning Technologies Lab

July 2012 to June 2013

Stanford University

- Developed movement tracking software programmed for the Microsoft Kinect using C++.
- Developed machine learning methods to predict success of children performing collaborative tasks.

LEADERSHIP, AWARDS & AFFILIATIONS

MIT ICEO Search Committee

September 2019 to Present

National GEM Consortium Fellow, MIT

April 2019 to Present

MIT Graduate Student of Color Advisory Committee

December 2018 to Present

Co-President, Academy of Courageous Minority Engineers, MIT

May 2018 to Present

Alfred P. Sloan Foundation Scholar, MIT

September 2017 to Present

IEEE Student Member

September 2014 to Present

Community Service Chair, MIT Black Graduate Student Association

May 2018 to May 2019

Lemelson Presidential Fellow, MIT

September 2017 to May 2018

NSF Graduate Research Fellowship Program: Honorable Mention

March 2017

Stanford HackOverflow 2015: Overall Best Hack

April 2015

SanDisk Scholar

September 2013 to June 2014

President, National Society of Black Engineers, Stanford Chapter

May 2013 to May 2014

National Science Foundation XSEDE Scholar

September 2012 to June 2013

Vice President, National Society of Black Engineers, Stanford Chapter

May 2012 to May 2013

Stanford Undergraduate STEM Fellow

February 2012 to June 2015

SKILLS & INTERESTS

ACADEMIC INTERESTS

Machine Learning
Computer Vision
Robotics
Multi-Agent Systems
Holography
Haptics
Virtual and Augmented Reality
Image Processing

TECHNICAL SKILLS

Python
C/C++
MATLAB
PHP
Java
JavaScript
HTML/CSS
SQL

FRAMEWORKS

TensorFlow
Pytorch
Torch7
LaTeX
Bootstrap
LCM
Eclipse
Visual Basic