

Mmachì G. Obiorah

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EDUCATION

NORTHWESTERN UNIVERSITY

PHD IN COMPUTER SCIENCE

Expected June 2019 | Evanston, IL

Cum. GPA: 3.87 / 4.0

NORTHWESTERN UNIVERSITY

MSC IN COMPUTER SCIENCE, 2015

Awarded Mar 2015 | Evanston, IL

Cum. GPA: 3.84 / 4.0

UNIVERSITY OF JOS

BS IN COMPUTER SCIENCE

Awarded June 2009 | Jos, Nigeria

Cum. GPA: 4.61 / 5.0

SKILLS

PROGRAMMING

JavaScript • CSS • HTML

Java • C++ • Python

Familiar:

Java • iOS • Android

PHP • MatLab

DATABASE

Familiar:

MySQL

APPLICATION FRAMEWORK

Bootstrap

Familiar:

Parse

MACHINE LEARNING

familiar:

Weka

Also comfortable with Git, Github and Linux Operating Systems

AWARDS

- 2016 Segal Design Cluster Fellowship, Northwestern University
- 2012 Presidential Special Scholarship Scheme for Innovation and Development (PRESSID)
- 2009 NAWACS prize for Best Graduating Female Student, Faculty of Natural Sciences, University of Jos

EXPERIENCE

NORTHWESTERN UNIVERSITY | TEACHING ASSISTANT

Winter 2016 | Evanston, IL

- Human Computer Interaction.

UNIVERSITY OF JOS | ASSISTANT LECTURER

March, 2015 - Present | Jos, Nigeria

- Introduction to Computer Science (Programming language used: Python)

UNIVERSITY OF JOS | GRADUATE ASSISTANT

July 2011 - March 2015 | Jos, Nigeria

- Object Oriented Programming (Programming language used: C++).
- Introduction to Computer Science (Programming language used: Python).

UJNET | INDUSTRIAL TRAINEE

2008 | Jos, Nigeria

- Assisted in setting up and managing local area networks

RESEARCH

TIDAL LAB | MEMBER

August 2015 - Present | Northwestern University

Working with Prof Michael Horn on understanding how to teach and build technologies for learning STEM related subjects for socially deprived or marginalized groups.

PROJECTS

JUMPGYM

Spring 2014 - Present | TIDAL Lab, Northwestern University

Worked with Prof Michael Horn and others in our group to design a tool JumpGym to help us understand the effect of games, exercise and learning in waiting areas.

APHASIA THERAPY TOOL

Sep 2016 - Present | TIDAL Lab, Northwestern University

Lead the design and development of a tool for supporting aphasia patients with communication and therapy.

GRAD SCHOOL ACCEPTANCE PREDICTOR

Mar 2016 | TIDAL Lab, Northwestern University

Worked with a group to develop a tool that predicts whether an applicant will be accepted into grad school based on his/her profile.

PUBLICATIONS

M. Obiorah, E. Harburg, J. Franklin, B. Downs, S. Ye, M. Bos, M. Horn. JUMPGYM: A Jumping Exergame for Waiting Areas in GLS 12 Conference Proceedings.

VOLUNTEERING

BRAVE INITIATIVES | CODE COACH

2015 - Present | Chicago, Illinois

I support teenage girls as they learn to build websites with HTML, CSS, and JavaScript.