Mmachi G. **Obiorah**

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Education _____

Northwestern University *Evanston, IL*
PHD. IN COMPUTER SCIENCE *2015 - PRESENT*
3.88/4

Northwestern University *Evanston, IL*
M.SC. IN COMPUTER SCIENCE *Mar., 2015*
3.84/4

University of Jos *Jos, Nigeria*
B.SC. IN COMPUTER SCIENCE *June, 2009*
4.61/5 (1st Class)

Experience _____

Northwestern University *Evanston, IL*
TEACHING ASSISTANT *Jan. 2016 - Mar. 2016*
- Human Computer Interaction

University of Jos *Jos, Nigeria*
ASSISTANT LECTURER *Mar. 2015 - Present*
- Taught Introduction to Computer Science

University of Jos *Jos, Nigeria*
GRADUATE ASSISTANT *Jul. 2011 - Mar. 2015*
- Taught Introduction to Computer Science with Python
- Taught Object Oriented Programming with C++

University of Jos, Consultancy Ltd *Jos, Nigeria*
INDUSTRIAL TRAINEE *2008*
- Assisted in setting up and managing Local area networks.

Skills _____

Programming	Working knowledge of the following programming languages: C++, Python, JavaScript, CSS, HTML. Also familiar with Java (and Android programming), Swift, PHP and MATLAB
Application Framework	Bootstrap, Parse
Database	MySQL
Version Control System	Familiar with Git and GitHub
Others	Also familiar with Linux operating systems

Honors & Awards _____

2016	Segal Design Fellowship	*Northwestern University*
2012	Presidential Special Scholarship for Innovation and Development	*Abuja, Nigeria*
2009	NAWACS Prize for Best Graduating Female Student in the Faculty of Natural Sciences	*Nigeria*

Research _____

TIDAL LAB, Northwestern University *Evanston, IL*
MEMBER *Aug 2015 - PRESENT*
- I work with Dr. Michael Horn at the TIDAL Lab on understanding how to teach and build technologies for learning STEM related subjects in places that have infrastructural deficits.

Projects

- Designing Technologies for Creating a Meaningful Context to Support Therapy for Aphasia Patients (in progress). For this project we will design a tool that will give aphasic patients more access to words that can help them in therapy and communication.
- JumpGym: This is an exergame that was developed to understand how to decrease users' perceived waiting time as they waited for a service. Paper submitted at GLS 12.
- Graduate School Acceptance Predictor: This was deployed at this website with a model that attempts to predict whether an applicant will be accepted into grad school based on his/her profile.

Volunteering

Brave Initiatives   *Chicago, IL*

Code Coach   *Aug 2015 - PRESENT*

- I support teenage girls as they learn to build websites with HTML, CSS and JavaScript to address social issues in their environment.

Publications

- M. Obiorah, E. Harburg, J. Franklin, B. Downs, S. Ye, M. Bos, M. Horn. (2016) JumpGym: A Jumping Exergame for Waiting Areas in GLS 12 Conference Proceedings.