Mmachi 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
- 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 to design a tool JumpGym, reduced a person's perceived waiting time by providing opportunities to learn, exercise and be entertained at 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.