

Obianuju Okafor

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PROFESSIONAL PROFILE

Computer science researcher with a solid background in Software Engineering. My research areas include: Human Computer Interaction, Natural language processing and Machine learning. Adept at conducting qualitative and quantitative research studies. Proficient in designing and implementing mobile and web applications in various languages. Skilled in developing business plans, proposals, and requirements specifications. Great data analytical skills. Outstanding leadership, communication and time management skills. Seeking a challenging and varied position that will enable me capitalize on my professional and educational experience, with opportunities for personal and professional growth.

EDUCATION

Doctor of Philosophy (Ph.D.) - Computer science

University of North Texas – Denton, TX

Jan. 2018 - Present

GPA: 4.0

Master of Science - Computer science

University of North Texas – Denton, TX

Jan. 2018 – Dec. 2019

CGPA: 4.0

Bachelor of Science - Software Engineering

Eastern Mediterranean University – Famagusta, CY

Feb. 2013 - Jan. 2017

CGPA: 3.9

TECHNICAL SKILLS

Programming/Scripting Languages: Python, Java, PHP, CSS, HTML, JavaScript, C, C++.

Database Management: MySQL, Oracle, MongoDB, Django.

Cloud storages: AWS S3, Google cloud, Microsoft Azure.

Software: Android studio, Eclipse, Visual studio, PhpStorm, PyCharm, GitHub, XAMPP, FileZilla, Microsoft Office, Microsoft teams, Docker, Jupyter notebook, Google Colab, Photoshop, MATLAB.

Systems: Windows, Mac OS, Linux, UNIX.

Relevant Courses: Analysis of Algorithms, Data Structures, Programming languages, Software Engineering, Software Testing, Human Computer Interaction, Natural language processing, Machine learning, Artificial Intelligence, Data Mining.

EXPERIENCE

Research Assistant

Jan. 2018 – Present

University of North Texas – Denton, TX

- Working on a research project that involves making the block-based programming environment Blockly, which was created by Google, accessible to people with visual impairment.
- Supervising the high school students who were assigned to work on the project with me and ensuring the tasks assigned to them is done.
- Conducting a usability study to test the ease of use of the new accessible Blockly model.
- Carrying out an empirical investigation to compare various accessibility testing tools and highlighting their limitations in Rich Internet Applications.
- Attending seminars, conferences and other meetings as necessary.

Software Engineer Intern
Macy's Tech – San Francisco, CA

May. 2019 – Aug. 2019

- Worked alongside engineers in the machine learning team to implement a chat bot for Macy's website using Rasa bot template.
- Created, tested and trained large datasets to generate models to feed into the chat bot.
- Conducted tests on the chat bot by conversing with it and fine-tuned the model to improve its responses.
- Integrated Google voice into our chat bot to convert speech to text.
- Created a Jupyter notebook extension to automate the process of deploying notebooks to our Machine learning platform.
- Attended daily stand-up meetings where we spoke about our progress.

Front End developer
Gartner Callaway Ltd. - Lagos, NG

Feb. 2017 - Jan. 2018

- Using Java, I designed and implemented the user interface of a money saving android application called Piggy Vest.
- Implemented the web based version of the application using HTML, CSS, PHP and JavaScript.
- Designed and managed a single database system for both application using PHP, JSON and REST API.
- Migrated the web application from the local server XAMPP to AWS cloud server.
- Maintained the system using an FTP application called FileZilla to modify files on the server.

Software Engineer Intern
Plug and Play Computer – Famagusta, CY

Jun. 2016 - Sep. 2016

- Joined the development scrum team and worked side by side with the engineers in the implementation of an online car reservation system.
- Worked with front-end and product team to understand end-user requirements, then translate that into a pragmatic and effective technical solution.
- Built and deployed a robust and scalable back-end serving system using PHP and JavaScript.
- Wrote and conducted unit and UI tests to diagnose and debug issues in the production environment.

Volunteer Experience

Mentor
Anita Bees

Sep 2019 - Present

- Volunteering as a mentor for the speed mentoring session at the Grace hopper conference organized by Anita Bees.

Food server
Project Open hands

Aug. 2019 – Aug 2019

- Helped to make and serve meals for the homeless and elderly in San Francisco.

Instructor
Girls who code

Jun. 2018 – Dec. 2018

- Worked as a code instructor, taught middle school girls how to code in python.

AWARDS

- Best Graduating Student, Software Engineering Department, Eastern Mediterranean University (Fall 2016).
- High honors student, Software Engineering Department, Eastern Mediterranean University (Spring 2013 - Spring 2016).