Obianuju Okafor

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PROFESSIONAL PROFILE

Computer Science PhD Candidate with a solid background in Software Engineering. My research areas include Human Computer Interaction, Software Engineering, Accessibility, Natural Language Processing, and Machine Learning. I am adept at conducting mixed methods 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   **Jan. 2018 - Present**
University of North Texas – Denton, TX   **GPA: 4.0**

Master of Science - Computer Science   **Jan. 2018 – Dec. 2019**
University of North Texas – Denton, TX   **CGPA: 4.0**

Bachelor of Science - Software Engineering   **Feb. 2013 - Jan. 2017**
Eastern Mediterranean University – Famagusta, CY   **CGPA: 3.9**

TECHNICAL SKILLS

Programming/Scripting Languages: **Python, JavaScript, PHP,** CSS, HTML, Java, C, C++, React.js.
Database Management: MySQL, Oracle**,** MongoDB, Django.
Cloud storages: AWS S3, Google Cloud, Microsoft Azure.
Software: Android Studio, Eclipse, Visual Studio, PhpStorm, Atom, GitHub, XAMPP, PyTorch, Tensorflow, Jupyter Notebook, Google Colab, Adobe Photoshop, GIMP, Figma, Sketch, Spring Boot, Microsoft Office, MATLAB.
Systems: Windows, Mac OS, Android, IOS, 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 incorporating accessibility into the block-based programming environment Blockly, via screen readers and keyboard shortcuts.
- Conducting a usability study and an A/B test on the new accessible variant of Blockly.
- Adding speech recognition into the Blockly environment to make it accessible to the motorically challenged.
- Reading, analyzing and writing research publications in my research area.
- Conducting literature reviews on existing publications in my research area.
- Attending seminars, conferences and other meetings as necessary.

Software Engineer Intern   **May. 2019 – Aug. 2019**
Macy's Tech – San Francisco, CA

- 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 datasets to generate models to feed into the chat bot, using TensorFlow.
- Integrated Google Voice speech recognition system 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   **Feb. 2017 - Aug. 2017**
Piggy Vest - Lagos, NG

- Using Java, I designed and implemented a user-friendly UI for a money saving android application called Piggy Vest.
- Using JSON and REST API, I connected the database of the mobile application to the database of the web application.
- Conducted unit and system tests for the mobile application.
- Maintained the system using an FTP application called FileZilla, to modify files on the server.

Software Engineer Intern   **Jun. 2016 - Sep. 2016**
Plug and Play Computer – Famagusta, CY

- Joined the customer experience team and worked side by side with the engineers to implement an online car reservation system.
- Worked with the requirements engineering team to understand end-user requirements, then translated that into pragmatic and effective technical solutions.
- Built and deployed a robust and scalable user interface using React.js.
- Wrote and conducted unit and systems tests to diagnose and debug issues in the production environment.

Volunteer Experience

Speaker - Digital Divas   **Feb. 2020 – Feb. 2020**
- I spoke to female high school students at the Digital Divas workshop about how to secure an internship in Tech.

Mentor - AnitaB.Org   **Sep. 2019 – Present**
- I volunteered as a mentor for the speed mentoring session at the Grace hopper conference organized by Anita Bees.

Instructor - Girls who code   **Jun. 2018 – Dec. 2018**
- I worked as an instructor for the Organization Girls who code. I taught middle school girls how to code in python.

AWARDS

- Dean's list Software Engineering Department, Eastern Mediterranean University (Spring 2013 - Fall 2016).
- Dean's list Computer Science Department, University of North Texas (Spring 2018 - Present).
- Google SWE scholar (October 2018)
- Facebook Grace Hopper Scholar (September 2019).
- Richard Tapia Scholar (August 2020).
- Quip Diversity Scholar (August 2020).