

OLUWAMAYOWA ADE ADELEKE

+1-832-208-4499 || 8450 CAMBRIDGE STREET, APT 3242, HOUSTON, TX, 77054, USA
mayor22003@gmail.com || oluwamayowa.com || <https://github.com/oadele3>

Interests

Software Engineering, Computer Networks Programming, Cloud computing, Machine Learning, Internet of Things (IOT).

Education

- 2016 – date **PhD student in Computer Science**, *University of Houston, Houston, TX.*
GPA: 3.96/4.0
- 2014 – 2015 **MS in Electrical and Computer Engineering** *University of Illinois, Chicago, IL.* GPA: 3.71/4.0
- 2005 – 2010 **BS in Electrical and Electronics Engineering**, *Ladoke Akintola University of Technology, Ogbomosh, Nigeria.* CGPA: 4.31/5.0

Skills & Knowledge

Python, C, C++, java, Matlab, C#, Bash, MIPS, Verilog,
Machine Learning, Tensorflow, Numpy, parallel computing (NVIDIA CUDA),
TCP/IP networks & systems programming, software defined networking(SDN),
Cloud computing, AWS, Google, Azure, OpenStack, IBM cloud, Bluemix
Virtualization, Xen, Vmware, Docker, Puppet
Databases & Big Data, MySQL, Postgres, Network and Linux systems administration.

Professional Experience

- 2016 - 2016 **Amazon Web Services, Herndon, VA.**
Cloud Support Engineer
Significantly reduced time for troubleshooting AWS VPNs by adding visualization code (using asynchronous javascript) to the Global team's VPN troubleshooting tool.
Provided expert troubleshooting intervention to enterprise level AWS clients.
Interviewed and Mentored new recruits to get them up to date on cloud computing tech.
- 2015 - 2016 **Cloud Support Associate**
Assisted enterprise, business and developer level clients in implementing and troubleshooting network connection problems and AWS networking related services (load-balancers, DNS, NICs, NATs, firewalls, VPNs)
- 2011 –2012 **Alcatel Lucent (Acquired by Nokia), Lagos, Nigeria.**
Trainee Transmission Capacity Planning Engineer.
Developed database application for tracking details of Field Site Survey Reports
Performed weekly analysis network monitor dumps with custom built software tool for finding network links with high bandwidth usage, or low capacity.

Academic Experience

- Fall 2016 - Date **University of Houston, College of Technology**
Teaching Fellow and Research Assistant.
Currently teaching a 41 student class of seniors as instructor for computer networks
Developed a DNS service platform for teaching DNS on the GENI – VTS testbed
Currently working on a research project applying Machine Learning to network traffic analysis, classification, prediction and generation.

Samples of Programming Projects

- A Dijkstra's algorithm based routing protocol for Unix nodes. (Python)
- Song composer using RNNs & LSTMs (Tensorflow, Python)
- An implementation of DNS and DHCP within the GENI VTS testbed (python)
- A parallelized implementation of Aho-Chorasick string matching algorithm for NVIDIA GPUs (C ++)
- An Implementation of the Pentium M Processor Branch predictor, (C)

Awards

- 2013 **Postgraduate Scholarship Awards, NITDA**
- 2012 **postgraduate Scholarship Awards, NNPC/Total E & P**
- 2006 **Undergraduate Scholarship Awards, NNPC / ExxonMobil Producing.**