

# ADELEKE OLUWAMAYOWA ADE

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## Summary

first year PhD student in Computer Science with interests in Computer Networks Programming, Networks Machine Learning, Cloud computing, Software Defined Networking (SDN), Software Engineering and Internet of Things (IOT).

## Education

- 2016 – date      **PhD student in Computer Science (Computer Networks)**, *University of Houston, Houston, TX. GPA: 4.0/4.0*  
Research Area: Applications of machine learning to network traffic analysis, classification, and generation  
Advisor: Dr. Deniz Gurkan
- 2014 – 2015      **MSc in Electrical and Computer Engineering (Computer Networks)**  
*University of Illinois, Chicago, IL. GPA: 3.71/4.0*  
Thesis: Software Defined Networking Overlays  
Advisor: Dr. Hulya Seferoglu
- 2005 – 2010      **B-tech in Electrical and Electronics Engineering**, *Ladoke Akintola University of Technology, Ogbomosho, Nigeria. CGPA: 4.31/5.0*  
Project: Quadrature Amplitude Modulation (QAM) with an Orthogonal Frequency Division Multiplexer (OFDM). 2010  
Advisor: Dr. Z.K. Adeyemo

## Skills & Knowledge

- Computer Network & protocol Programming (TCP/IP stack), Routing & Troubleshooting  
Networking Software Defined Networking (SDN), Openflow, OpenvSwitch, Linux networking
- Programming Python, C++, C#.net, C, Java, Matlab, PHP, Bash, JavaScript, Tcl, MIPS  
Languages Assembly, Verilog
- Cloud computing Professional level Cloud Solutions Architect Certification, AWS, Microsoft Azure,
- Others Machine Learning, MySQL, MS SQL, Hadoop.

## Professional Experience

- 2016 - 2016      **Cloud support Engineer**, *Amazon Web Services, Herndon, VA.*  
Contributed to development of internal troubleshooting software for AWS VPNs.  
Provided expert troubleshooting intervention to enterprise level clients for AWS Networking, Linux OS, Databases, and Storage solutions  
Participated in interviewing and also mentored new engineers and associates.
- 2015 - 2016      **Cloud support Associate**, *Amazon Web Services, Herndon, VA.*  
Assisted enterprise, business and developer level clients in troubleshooting network connection problems and AWS networking related services (load-balancers, DNS, NICs, NATs, firewalls, VPNs)

- 2011 –2012      **Trainee Transmission Planning Engineer, Alcatel Lucent, Lagos, Nigeria.**  
 Developed computer software for analysis of network monitors  
 Developed database application for tracking details of Field Site Survey Reports  
 Carried out over 300 line of site surveys
- 2009-2009      **Intern, Alcatel Lucent, Lagos, Nigeria. Mobile Architecture and Design Department**  
 Was responsible for updates and tracking of departmental Databases.  
 Created transmission work orders for new 2G and 3G BTS sites integration.

### Academic and Research Experience

- Fall 2016 - Date      **Research Assistant, SDN Lab, University of Houston**  
 Developed a DNS service platform for use on the GENI –VTS research testbed  
 Currently working on a research project applying Machine Learning to network traffic analysis, classification and generation.
- Spring 2017      **Instructional Assistant, Computer Networks (COT4421), University of Houston**  
 Taught and supervised lab sessions for undergraduate networking course  
 Designed course final projects and evaluated students' submissions
- Fall 2014      **Teaching Assistant, Communication Electromagnetics (ECE322) University of Illinois at Chicago**

### Certifications, Exams, Awards

- 2016      **Certified Solutions Architect – Professional, Amazon Web Services (AWS).**
- 2013      **Postgraduate Scholarship Awards, National Information Technology development Agency, Nigeria.**
- 2012      **postgraduate Scholarship Awards, NNPC/Total Exploration & Production, Nigeria.**
- 2011      **Cisco Certified Network Professional (CCNP) Routing Exam, Cisco Systems.**
- 2009      **Cisco Certified Network Associate (CCNA), Cisco Systems.**
- 2009      **Microsoft Certified technical specialist (MCTS), C#.net programming Microsoft Corporation**
- 2006      **Undergraduate Scholarship Awards, NNPC / ExxonMobil Producing, Nigeria.**
- 1999      **Mathematics Merit Awards, National Mathematics Center, Nigeria**

### Training Courses

- 2017 - date      **Machine learning, Stanford University (Coursera)**
- 2015      **Amazon Web Services Training Advanced Architecting on AWS platform**
- 2014      **Software Defined Networking, Georgia Institute of Technology (Coursera)**
- 2014      **Fundamentals of Computing Specialization, Rice University (Coursera)**
- 2012      **LTE All-IP Networking Overview, IP Routers and Routing, Alcatel Lucent**

### Activities and Interests

- Aug 2014      **Student Volunteer, ACM SIGCOMM 2014, Palmer Hilton hotel Chicago, IL.**
- 2012 – 2012      **President, Editorial group, Eti-Osa 3 NYSC Community Development Group, Lagos. Nigeria**