David Ifeoluwa ADELANI

PERSONAL DATA

PLACE OF BIRTH:	Abeokuta, Nigeria
ADDRESS:	Saarbrücken, Germany
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EDUCATION

JAN 2019 - Present
Dissertation Phase of Doctoral Studies
Spoken Language Systems Group, Saarland Informatics Campus, Germany
ADVISOR: Prof. Dr. Dietrich Klakow

APR 2015 - DEC 2018
Preparatory Phase of Doctoral Studies
Saarbrücken Graduate School of Computer Science, Germany
GPA: 1.6 (Best 1.0, Worst 5.0)

JUL 2013 - DEC 2014
Master of Science in COMPUTER SCIENCE
African University of Science and Technology (AUST), Abuja, Nigeria
Thesis: "A DEVS-Based ANN Training and Prediction Platform" | Advisor: M.K. TRAORE
GPA: 3.91/4

OCT 2006 - OCT 2010
Bachelor of Science in COMPUTER SCIENCE
Federal University of Agriculture, Abeokuta, Nigeria
Thesis: "Securing E-voting with EC-ELGAMAL" | Advisor: A.S. SODIYA
GPA: 4.42/5

RESEARCH INTERESTS

Natural Language Processing (NLP)
Privacy-preserving machine learning
NLP for low-resource languages
Secure Machine Learning
Computational social science

PUBLICATIONS

1. David Ifeoluwa Adelani, Ryota Kobayashi, Ingmar Weber, and Przemyslaw A. Grabowicz. Estimating community feedback effect on topic choice in social media with predictive modeling. In submission

2. Jesujoba O. Alabi, Kwabena Amponsah-Kaakyire, David I. Adelani, and Cristina España-Bonet. Massive vs. curated word embeddings for low-resourced languages. the case of yorùbá and twi. In submission

3. David Ifeoluwa Adelani, Haotian Mai, Fuming Fang, Huy H. Nguyen, Junichi Yamagishi, and Isao Echizen. Generating sentiment-preserving fake online reviews using neural language models and their human- and machine-based detection. In *34-th International Conference on Advanced Information Networking and Applications (AINA)*, 2020. In submission

4. Zijian Wang, Scott Hale, David Ifeoluwa Adelani, Przemyslaw Grabowicz, Timo Hartman, Fabian Flöck, and David Jurgens. Demographic inference and representative population estimates from multilingual social media data. In *The Web conference*. ACM, 2019

5. David Ifeoluwa Adelani, Fabian Flöck, Przemyslaw Grabowicz, Scott Hale, Timo Hartmann, and David Jurgens. Agendas on social media: Inferring policy attention from non-representative data. International Conference on Computational Social Science (IC2S2) 2018. Extended Abstract

6. David Ifeoluwa Adelani and Mamadou Kaba Traore. Enhancing the reusability and interoperability of artificial neural networks with DEVS modeling and simulation. *International Journal of Modeling, Simulation, and Scientific Computing*, 7(3), 2015

7. Adesina Simon Sodiya, SA Onashoga, and DI Adelani. A secure e-voting architecture. In *Information Technology: New Generations (ITNG), 2011 Eighth International Conference on*, pages 342–347. IEEE, 2011

Work Experience

Jan 2019 - Till Date	**PhD Researcher (Group: Spoken Language Systems Group)** *Department of Language Science & Technology, Saarland University* Supported by the COMPRISE (Cost-effective, Multilingual, Privacy-driven voice-enabled Services) project
Jan 2019 - Apr 2019	**Research Intern (Group: Echizen's Content Security Lab)** *National Institute of Informatics (NII)* Internship on Adversarial Text Generation with Prof. Isao Echizen
Mar 2017 - Dec 2018	**Research Assistant (Group: Networked Systems Research Group)** *Max Planck Institute for Software System (MPI-SWS)* Supported by MPI-SWS Pre-Doctoral Scholarship for 22 months for working on topic modeling and causal inference in social media with Dr. Przemyslaw Grabowicz
Aug 2016- Mar 2017	**Research Assistant (Group: Intelligent User Interfaces)** *German Research Centre for Artificial Intelligence (DFKI)* Deep learning and Case-Based Reasoning for Energy Power Forecast [10 hours/week]
Jul 2012 - Apr 2015	**Computer Scientist II (Lead of Database Group)** *Federal Ministry of Communication Technology, Nigeria* Designed and administered the ICT Cadre database. The database was created to manage the career progression of ICT Staff in all Government Ministries, Department and Agencies (MDAs). Also, led the database team for the development of an online platform for the management of ICT Cadre database using PHP/MySQL and AJAX.
Apr 2011 - Jul 2012	**Professional Service Consultant (Junior)** *NCR (NIGERIA) PLC.* Installing, managing and supporting ATM journal, monitoring and camera applications with Microsoft SQL Server 2000, 2005 and 2008 as backend. Equipped with the knowledge of writing queries and scripts; maintaining database; database backup and restore.

Teaching Experience

TEACHING ASSISTANT:	Neural Networks: Implementation and Application - Winter Semester 17/18
	Saarland University (with Prof. Dr. Dietrich Klakow)
TEACHING ASSISTANT:	Statistical Natural Language Processing - Summer 2017
	Saarland University (with Prof. Dr. Dietrich Klakow)

Other Research Projects (Research Immersion - 180 hours)

OCT 2016 - JAN 2017.	Detecting Events in Social Media using Non-parametric Bayesian Methods
	(with Dr. Przemyslaw Grabowicz @ MPI-SWS)
MAY 2016 - SEP 2016.	Neural Networks for Semantic Role Prediction
	(with Prof. Dr. Vera Demberg)

Awards, Scholarships and Certificates

OCT. 2019	Attended the PRAIRIE AI summer school (fully funded) in Paris (October 3 - 5)
MAY. 2019	Invited to Google's 3rd European NLP Summit in Zurich (June 24 - 26)
MAY. 2019	Best Poster Presentation Award at the Web Conference (formely WWW) 2019
OCT. 2018	PyTorch Scholarship Challenge 2018/2019 from Facebook and Udacity
JUN. 2018	NII International Internship Program, Japan (February - April 2019)
MAR. 2017	MPI-SWS Pre-Doctoral Studies Scholarship (ended December 2018)
APR. 2015	Saarbrücken Graduate School of Computer Science Full Scholarship (ended Mar 2017)
JUL. 2013	Nelson Mandela Institute (NMI) Full Scholarship for MSc in Computer Science ($22,500)
DEC. 2012	Oracle Database 11g Certified Professional (OCP)
AUG. 2012	Oracle Database 11g Certified Associate (OCA)

Computer Skills

Programming:	Python, JAVA, R, HTML, JavaScript, and PHP
Frameworks:	Pandas, Statsmodel, Gensim, TensorFlow, Keras, PyTorch, and scikit-learn
Databases:	Oracle Database 11g, Microsoft SQL Server, MySQL, and Access

Volunteer Service

Mentor at	Data Science Nigeria
Volunteer for	Yoruba multimedia dictionary project for Natural Language Processing tasks

Favourite Quote

Anything you find your hands doing, do it with all your might