

# David Ifeoluwa ADELANI

## PERSONAL DATA

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PLACE OF BIRTH: Abeokuta, Nigeria  
ADDRESS: Dudweilerstrasse 93, 66111, Saarbrücken, Germany  
EMAIL: [s8daadel@stud.uni-saarland.de](mailto:s8daadel@stud.uni-saarland.de), [didelani@lsv.uni-saarland.de](mailto:didelani@lsv.uni-saarland.de)

## EDUCATION

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

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

JUL 2013 - Master of Science in COMPUTER SCIENCE  
DEC 2014 **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 - Bachelor of Science in COMPUTER SCIENCE  
OCT 2010 **Federal University of Agriculture, Abeokuta, Nigeria**  
Thesis: "Securing E-voting with EC-ELGAMAL" | Advisor: A.S. SODIYA  
GPA: 4.42/5

## RESEARCH INTERESTS

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Natural Language Processing (NLP)  
Privacy-preserving machine learning  
Differential privacy  
Neural Machine Translation  
NLP for low-resource languages  
Computational social science

## PUBLICATIONS

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1. Zijian Wang, Scott Hale, David Ifeoluwa Adelani, Przemyslaw Grabowicz, Timo Hartmann, Fabian Flöck, and David Jurgens. Demographic inference and representative population estimates from multilingual social media data. In *The Web conference*. ACM, 2019
2. 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

3. 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
4. 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

## TEACHING EXPERIENCE

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- 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)

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- 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)

## WORK EXPERIENCE

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- 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.

## AWARDS, SCHOLARSHIPS AND CERTIFICATES

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- 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

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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

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Mentor at [Data Science Nigeria](#)  
Volunteer for [Yoruba multimedia dictionary project](#) for Natural Language Processing tasks

## FAVOURITE QUOTE

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