

# David Ifeoluwa ADELANI

## PERSONAL DATA

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PLACE OF BIRTH: Abeokuta, Nigeria  
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EMAIL: [d.adelani@ucl.ac.uk](mailto:d.adelani@ucl.ac.uk)  
WEBSITE: [dadelani.github.io](https://dadelani.github.io) or [On Google Scholar](#)

## EDUCATION

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JAN 2015 - JUN 2023 Preparatory Phase (2015-2018) and Dissertation Phase of Doctoral Studies  
**Spoken Language Systems Group, Saarland Informatics Campus, Germany**  
Thesis: "Natural Language Processing for African Languages"  
ADVISOR: Prof. Dr. Dietrich Klakow  
GRADE: summa cum laude

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

## WORK EXPERIENCE

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AUG 2024 - Assistant Professor (Tenure-track)  
*School of Computer Science, Faculty of Science, McGill University*  
Affiliated with MILA - Quebec AI Institute, Canada

SEP 2022 - PRESENT Senior Research Fellow (DeepMind Academic Fellow)  
*Department of Computer Science, University College London, UK.*  
Supported by [DeepMind](#)

JAN 2019 - JUN 2023 PhD Researcher (Group: Spoken Language Systems Group)  
*Department of Language Science & Technology, Saarland University*  
Supported by the EU H2020 [COMPRISE](#) project

JAN 2019 - APR 2019 Research Intern (Group: Echizen's Content Security Lab)  
*National Institute of Informatics (NII)*

MAR 2017 - DEC 2018 Research Assistant (Group: Networked Systems Research Group)  
*Max Planck Institute for Software System (MPI-SWS)*

AUG 2016- MAR 2017 Research Assistant (Group: Intelligent User Interfaces)  
*German Research Centre for Artificial Intelligence (DFKI)*

JUL 2012 - APR 2015 Computer Scientist II (Lead of Database Group)  
*Federal Ministry of Communication Technology, Nigeria*

APR 2011 - JUL 2012 Professional Service Consultant (Junior)  
*NCR (NIGERIA) PLC.*

## RESEARCH INTERESTS

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Natural language processing (NLP) for under-resourced languages  
Multilingual representation learning  
Transfer learning for NLP  
Privacy-preserving machine learning

## TEACHING EXPERIENCE

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CO-TEACHING: Natural language Processing (2 lectures) – Winter 23  
UCL, UK (with Dr. Tim Rocktäschel and Dr. Pontus Stenetorp)  
TEACHING ASSISTANT: Project Seminar for Data Science and AI - Summer Semester 22  
Saarland University (with Prof. Dr. Jens Dittrich)  
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)

## RESEARCH GRANTS

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APR 2023 - SEP 2024 NiLE: Nigerian Languages for Education  
(Co-PI with Kola Tubosun, \$45,000 funded by [Africa AI4D-EduAI Hub](#) )  
JUL 2023 - MAR 2024 Conversational AI and Benchmark datasets for African languages  
(PI, \$207,814, A Masakhane project funded by [Lacuna Fund 2021](#))  
MAY 2022 - APR 2023 YorùbáVoice: Developing Speech Corpus for Yoruba language  
(Co-PI with Kola Tubosun, \$20,000 funded by [Translated-Imminent Grant 2021](#))  
MAY 2021 - DEC 2022 Named Entity Recognition and Parts of Speech for African Languages  
(Co-PI with Peter Nabende, \$156,500, A Masakhane Project funded by [Lacuna Fund 2020](#))  
JUN 2020 - DEC 2020 MENYO-20k: A Multi-domain English-Yorùbá Corpus for MT  
(PI, \$2,000 funded by [AI4D-Knowledge4All Fellowship](#))

## AWARDS, SCHOLARSHIPS AND CERTIFICATES

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NOV. 2023 Area Chair Award at the IJCNLP-AAACL 2023 for the MasakhaNEWS paper  
JUN. 2023 summa cum laude. Ph.D. Graduation Honors, Saarland University, Germany.  
MAY. 2023 Best Paper Award at the AfricaNLP Workshop @ICLR 2023 for the MasakhaNEWS paper  
OCT. 2022 Best Paper Award (Grand Challenge KISTI category) at the COLING 2022, South Korea  
APR. 2021 Best Paper Award at the AfricaNLP Workshop @EACL 2021 for the MasakhaNER paper  
MAY. 2019 Best Poster Presentation Award at the Web Conference (formerly WWW) 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)

## VOLUNTEER SERVICE

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Area chair for ACL 2024, EACL 2024 & NAACL 2024 (Efficiency in NLP)  
ACL 2023 & EMNLP 2023 (Multilingualism and/or Cross-Lingual NLP track)  
Reviewer for AfricaNLP Workshop (2020, 2021), WeaSUL @ICLR 2021, NAACL 2021,  
ARR 2021 - present, LREC 2022, COLING 2022, EMNLP 2022, EACL 2023  
Organizer for [AfricaNLP 2022, 2023](#), [Cross-Cultural Considerations in NLP Workshop 2023](#),  
[Multilingual Representation Learning Workshop 2023](#)  
Director at [Masakhane Research Foundation](#) – grassroots NLP community for Africa

## INVITED TALKS

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APR 26, 2023	<b>Invited talk @DeepMind:</b> NLP for under-resourced African languages
MAR 24, 2023	<b>Invited talk @McGill:</b> NLP for under-resourced African languages
MAR 23, 2023	<b>Invited talk @co:here:</b> NLP for under-resourced African languages
FEB 16, 2023	<b>Invited talk @CMU:</b> NLP for under-resourced African languages
DEC 3, 2022	<b>Transfer learning4NLP Workshop @NeurIPS:</b> Cross-lingual Transfer for NER
NOV 28, 2022	<b>Black in AI Workshop @NeurIPS:</b> Cross-lingual Transfer for NER
JUL 14, 2022	<b>Deeplo Workshop @NAACL:</b> Multilingual Language Model Adaptive Fine-Tuning: A Study on African Languages
DEC 6, 2021	<b>Tutorial @NeurIPS:</b> A Journey Through the Opportunity of Low Resourced Natural Language Processing – An African Lens
MAY 27, 2021	<b>UCREL CRS:</b> MasakhaNER: Named entity recognition for African Languages
APR 19, 2021	<b>AfricaNLP Workshop @EACL:</b> MasakhaNER: NER for African Languages
MAR 26, 2021	<b>CMU-LTI Colloquium:</b> MasakhaNER: NER for African Languages
SEP 23, 2020	<b>NLP with Friends :</b> Development of NLP datasets and models for African Languages
JUL 7, 2020	<b>Data Skeptic Podcast:</b> Sentiment Preserving Fake Reviews
JUL 3, 2020	<b>AI4D Webinar:</b> Ensuring good text quality in African Language Datasets

## PUBLICATIONS

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(\*) Equal contributions

1. David Ifeoluwa Adelani, Hannah Liu, Xiaoyu Shen, Nikita Vassilyev, Jesujoba Oluwadara Alabi, Yanke Mao, Haonan Gao, and Annie En-Shiun Lee. Sib-200: A simple, inclusive, and big evaluation dataset for topic classification in 200+ languages and dialects. In *EACL*, 2024
2. Jiayi Wang, David Ifeoluwa Adelani, Sweta Agrawal, Ricardo Rei, Eleftheria Briakou, Marine Carpuat, Marek Masiak, Xuanli He, Sofia Bourhim, Andiswa Bukula, Muhidin A. Mohamed, ..., and Pontus Stenetorp. AfriMTE and AfriCOMET: Empowering COMET to Embrace Under-resourced African Languages. 2023
3. Jessica Ojo, Kelechi Ogueji, Pontus Stenetorp, and David Ifeoluwa Adelani. How good are Large Language Models on African Languages? 2023
4. Anuoluwapo Aremu, Jesujoba Oluwadara Alabi, and David Ifeoluwa Adelani. YORC: Yoruba Reading Comprehension dataset. 2023
5. Yihong Chen, Kelly Marchisio, Roberta Raileanu, David Ifeoluwa Adelani, Pontus Stenetorp, Sebastian Riedel, and Mikel Artetx. Improving Language Plasticity via Pretraining with Active Forgetting. In *NeurIPS*, 2023
6. Akintunde Oladipo, Mofetoluwa Adeyemi, Orevaoghene Ahia, Abraham Owodunni, Odunayo Ogundepo, **David Adelani**, and Jimmy Lin. Better Quality Pre-training Data and T5 Models for African Languages. In *EMNLP*, 2023
7. Sebastian Ruder, J. Clark, Alexander Gutkin, Mihir Kale, Min Ma, Massimo Nicosia, Shruti Rijhwani, Parker Riley, Jean Michel A. Sarr, Xinyi Wang, John Wieting, Nitish Gupta, Anna Katanova, Christo Kirov, Dana L. Dickinson, Brian Roark, Bidisha Samanta, Connie Tao, **David Ifeoluwa Adelani**, Vera Axelrod, and et al. XTREME-UP: A User-Centric Scarce-Data Benchmark for Under-Represented Languages. In *EMNLP*, 2023

8. Odunayo Ogundepo, Tajuddeen Rabiú Gwadabe, Clara Rivera, J. Clark, Sebastian Ruder, **David Ifeoluwa Adelani**, Bonaventure F. P. Dossou, Abdoulahat Diop, Claytone Sika-sote, Gilles Hacheme, Happy Buzaaba, and et al. AfriQA: Cross-lingual Open-Retrieval Question Answering for African Languages. In *EMNLP*, 2023
9. Shamsuddeen H. Muhammad, Idris Abdulmumin, Abinew A. Ayele, Nedjma Djouhra Ousidhoum, **David Ifeoluwa Adelani**, Seid M. Yimam, Ibrahim Said Ahmad, Meriem Beloucif, Saif M. Mohammad, Sebastian Ruder, and et al. AfriSenti: A Twitter Sentiment Analysis Benchmark for African Languages. In *EMNLP*, 2023 Also accepted at AfricaNLP 2023 @ICLR)
10. Francesco Tinner, David Ifeoluwa Adelani, Chris Emezue, Mammad Hajili, Omer Goldman, ..., Rahul Aralikkatte, Najoung Kim, and Duygu Ataman. Findings of the 1st Shared Task on Multi-lingual Multi-task Information Retrieval at MRL 2023. In Duygu Ataman, editor, *MRL Workshop @EMNLP*, 2023
11. Kathleen Siminyu, Jade Abbott, K ílá Túb sún, Aremu Anuoluwapo, Blessing K. Sibanda, Kofi Yeboah, David Adelani, and et al. Consultative engagement of stakeholders toward a roadmap for African language technologies. In *Patterns*, 2023
12. **David Ifeoluwa Adelani**, Marek Masiak, Israel Abebe Azime, Jesujoba Oluwadara Alabi, Atnafu Lambebo Tonja, Christine Mwase, Odunayo Ogundepo, Bonaventure F. P. Dossou, Akintunde Oladipo, ..., and Pontus Stenetorp. MasakhaNEWS: News Topic Classification for African languages. In *IJCNLP-AACL*, 2023 Also accepted at AfricaNLP 2023 @ICLR)
13. Iyanuoluwa Shode, **David Ifeoluwa Adelani**, Jing Peng, and Anna Feldman. NollySenti: Leveraging Transfer Learning and Machine Translation for Nigerian Movie Sentiment Classification. In *ACL*, 2023
14. Zheng X. Yong, Hailey Schoelkopf, Niklas Muennighoff, Alham F. Aji, **David Ifeoluwa Adelani**, Khalid Almubarak, M Saiful Bari, Lintang Sutawika, Jungo Kasai, Ahmed Baruwa, Genta I. Winata, Stella Rose Biderman, Dragomir R. Radev, and Vassilina Nikoulina. BLOOM+1: Adding Language Support to BLOOM for Zero-Shot Prompting. In *ACL*, 2023
15. Cheikh M. Bamba Dione\*, **David Ifeoluwa Adelani\***, Peter Nabende, Jesujoba Alabi, Thapelo Sindane, Happy Buzaaba, Shamsuddeen Hassan Muhammad, Chris Chinenye Emezue, Perez Ogayo, and Dietrich Klakow. MasakhaPOS: Part-of-Speech Tagging for Typologically Diverse African languages . In *ACL*, 2023
16. Shamsuddeen H. Muhammad, Idris Abdulmumin, Seid M. Yimam, **David Ifeoluwa Adelani**, Ibrahim Said Ahmad, Nedjma Djouhra Ousidhoum, Abinew Ali Ayele, Saif M. Mohammad, Meriem Beloucif, and Sebastian Ruder. SemEval-2023 Task 12: Sentiment Analysis for African Languages (AfriSenti-SemEval). In *SEM Eval Workshop @ACL*, 2023
17. Idris Akinade, Jesujoba Oluwadara Alabi, **David Ifeoluwa Adelani**, Clement Odoje, and Dietrich Klakow. ε KÚ: Integrating Yorùbá cultural greetings into machine translation. In *C3NLP Workshop @EACL (Also accepted AfricaNLP Workshop @ICLR)*, 2023
18. Rendani Mbuva, **David Ifeoluwa Adelani**, Tendani Mutavhatsindi, Tshimangadzo Rakhuhu, Aluwani Mauda, Tshifhiwa Joshua Maumela, Andisani Masindi, Seani Rananga, Vukosi Marivate, and T. Marwala. MphayaNER: Named Entity Recognition for Tshivenda. In *AfricaNLP Workshop @ICLR*, 2023
19. **David Ifeoluwa Adelani**, Md Mahfuz Ibn Alam, Antonios Anastasopoulos, Akshita Bhagia, Marta R. Costa-jussà, Jesse Dodge, Fahim Faisal, Christian Federmann, Natalia Fedorova, Francisco Guzmán, and et al. Findings of the WMT'22 Shared Task on Large-Scale Machine Translation Evaluation for African Languages . In *Proceedings of the Seventh Conference on Machine Translation at EMNLP*, 2022
20. **David Ifeoluwa Adelani**, Graham Neubig, Sebastian Ruder, Shruti Rijhwani, Michael Beukman, Chester Palen-Michel, Constantine Lignos, Jesujoba O. Alabi, Shamsuddeen H.

- Muhammad, Peter Nabende, Cheikh M. Bamba Dione, ..., and Dietrich Klakow. MasakhaNER 2.0: Africa-centric Transfer Learning for Named Entity Recognition . In *EMNLP*, 2022
21. Jesujoba Oluwadara Alabi\*, **David Ifeoluwa Adelani\***, Marius Mosbach, and Dietrich Klakow. Adapting Pre-trained Language Models to African Languages via Multilingual Adaptive Fine-Tuning. In *COLING (Also accepted at AfricaNLP Workshop at ICLR 2022)*, 2022
  22. Ernie Chang, Jesujoba Alabi, **David Ifeoluwa Adelani**, and Vera Demberg. Few-Shot Pidgin Text Adaptation via Contrastive Fine-Tuning. In *COLING (Also accepted at AfricaNLP Workshop at ICLR 2022)*, 2022
  23. Teven Le Scao, Angela Fan, Christopher Akiki, Ellie Pavlick, Suzana Ilić, Daniel Hesslow, Roman Castagn'e, Alexandra Sasha Luccioni, Franccois Yvon, Matthias Gallé, Jonathan Tow, Alexander M. Rush, ..., **David Ifeoluwa Adelani**, and Thomas Wolf. BLOOM: A 176B-Parameter Open-Access Multilingual Language Model. *ArXiv*, abs/2211.05100, 2022
  24. Hugo Laurençon, Lucile Saulnier, Thomas Wang, Christopher Akiki, Albert Villanova del Moral, Teven Le Scao, ..., **David Ifeoluwa Adelani**, ..., Margaret Mitchell, Sasha Luccioni, and Yacine Jernite. The BigScience ROOTS Corpus: A 1.6TB Composite Multilingual Dataset . In *NeurIPS (Datasets and Benchmarks Track)*, 2022
  25. Josh Meyer, **David Ifeoluwa Adelani**, Edresson Casanova, Alp Öktem, Daniel White-nack Julian Weber, Salomon Kabongo, Elizabeth Salesky, Iroro Orife, Colin Leong, Perez Ogayo, Chris Emezue, Jonathan Mukiibi, Salomey Osei, and et al. BibleTTS: a large, high-fidelity, multilingual, and uniquely African speech corpus. In *Interspeech*, 2022
  26. **David Ifeoluwa Adelani**, Jesujoba Oluwadara Alabi, Angela Fan, Julia Kreutzer, Xiaoyu Shen, Machel Reid, Dana Ruitter, Dietrich Klakow, Peter Nabende, Ernie Chang, Tajuddeen Gwadabe, Freshia Sackey, , and et al. A Few Thousand Translations Go a Long Way! Leveraging Pre-trained Models for African News Translation. In *NAACL-HLT*, 2022
  27. Miaoran Zhang, Marius Mosbach, **David Ifeoluwa Adelani**, Michael A. Hedderich, and Dietrich Klakow. MCSE: Multimodal Contrastive Learning of Sentence Embeddings. In *NAACL-HLT*, 2022
  28. Shamsuddeen H. Muhammad, **David Ifeoluwa Adelani**, Sebastian Ruder, Ibrahim S. Ahmad, Idris Abdulmumin, Bello Shehu Bello, Monojit Choudhury, Chris C. Emezue, Saheed S. Abdullahi, Anuoluwapo Aremu, Alipio George, and Pavel Brazdil. NaijaSenti: A Nigerian Twitter Sentiment Corpus for Multilingual Sentiment Analysis. In *LREC*, 2022
  29. Ali Davody, **David Ifeoluwa Adelani**, Thomas Kleinbauer, and Dietrich Klakow. TOKEN is a MASK: Few-shot Named Entity Recognition with Pre-trained Language Models. In *In Proceedings of the 25th International Conference on Text, Speech and Dialogue (TSD)*, 2022
  30. En-Shiun Annie Lee, Sarubi Thillainathan, Shravan Nayak, Surangika Ranathunga, **David Ifeoluwa Adelani**, and Ruisi Su and Arya D. McCarthy. Pre-Trained Multilingual Sequence-to-Sequence Models: A Hope for Low-Resource Language Translation? In *Findings of ACL*, 2022
  31. Dawei Zhu, Michael A. Hedderich, Fangzhou Zhai, **David Ifeoluwa Adelani**, and Dietrich Klakow. Task-Adaptive Pre-Training for Boosting Learning With Noisy Labels: A Study on Text Classification for African Languages. In *Workshop on Insights from Negative Results in NLP 2022 at ACL (Also accepted at AfricaNLP Workshop at ICLR 2022)*, 2022
  32. Iyanuoluwa Shode, **David Ifeoluwa Adelani**, and Anna Feldman. YOSM: A new Yorùbá Sentiment Corpus for Movie reviews. In *AfricaNLP 2022 Workshop at ICLR*, 2022
  33. **David Ifeoluwa Adelani**, Miaoran Zhang, Xiaoyu Shen, Ali Davody, Thomas Kleinbauer, and Dietrich Klakow. Preventing author profiling through zero-shot multilingual back-translation. In *EMNLP*, 2021
  34. **David Ifeoluwa Adelani** and Dana Ruitter and Jesujoba O. Alabi and Damilola Adebonojo and Adesina Ayeni and Mofe Adeyemi and Ayodele Awokoya and Cristina España-Bonet

- . The Effect of Domain and Diacritics in Yorùbá-English Neural Machine Translation. In *MT Summit*, 2021 (Also accepted at AfricaNLP Workshop @EACL)
35. **David Ifeoluwa Adelani**, Jade Abbott, Graham Neubig, Daniel D'souza, Julia Kreutzer, Constantine Lignos, Chester Palen-Michel, Happy Buzaaba, Shruti Rijhwani, Sebastian Ruder, Stephen Mayhew, and et al. MasakhaNER: Named Entity Recognition for African Languages . In *TACL*, 2021 (Also accepted at AfricaNLP Workshop @ EACL 2021)
  36. Kathleen Siminyu, Godson Kalipe, Davor Orlic, Jade Abbott, Vukosi Marivate, Sackey Freshia, Prateek Sibal, Bhanu Neupane, **David I. Adelani**, Amelia Taylor, Jamiil Toure ALI, Kevin Degila, Momboladji Balogoun, Thierno Ibrahima DIOP, and et al. AI4D – African Language Program. In *AfricaNLP Workshop at EACL*, 2021
  37. Michael A. Hedderich, **David Ifeoluwa Adelani**, Dawei Zhu, Jesujoba O. Alabi, Udia Markus, and Dietrich Klakow. Transfer Learning and Distant Supervision for Multilingual Transformer Models: A Study on African Languages. In *EMNLP*, 2020
  38. **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 *EPJ Data Science*, 2020 (Also accepted at IC2S2 2021 as Extended Abstract)
  39. **David Ifeoluwa Adelani**, Ali Davody, Thomas Kleinbauer, and Dietrich Klakow. Privacy guarantees for de-identifying text transformations. In *Interspeech*, 2020
  40. Aleena Thomas, **David Ifeoluwa Adelani**, Ali Davody, Aditya Mogadala, and Dietrich Klakow. Investigating the impact of pre-trained word embeddings on memorization in neural networks. In *In Proceedings of the 23rd International Conference on Text, Speech and Dialogue (TSD)*, 2020
  41. **David Ifeoluwa Adelani\***, Michael A. Hedderich\*, Dawei Zhu\*, Esther van den Berg, and Dietrich Klakow. Distant supervision and noisy label learning for low resource named entity recognition: A study on Hausa and Yorùbá, Practical ML for Developing Countries Workshop at ICLR 2020 (Also accepted at AfricaNLP 2020 @ICLR)
  42. Iroro Orife, **David I. Adelani**, Timi Fasubaa, Victor Williamson, Wuraola Fisayo Oyewusi, Olamilekan Wahab, and Kola Tubosun. Improving Yorùbá diacritic restoration, AfircaNLP Workshop at ICLR 2020
  43. Ernie Chang, **David Ifeoluwa Adelani**, Xiaoyu Shen, and Vera Demberg. Unsupervised Pidgin Text Generation By Pivoting English Data and Self-Training, AfircaNLP Workshop at ICLR 2020
  44. 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 *12th International Conference on Language Resources and Evaluation (LREC)*, 2020
  45. **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 *34th International Conference on Advanced Information Networking and Applications (AINA)*, 2020
  46. 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 (Also accepted at IC2S2 2019 as Extended Abstract)
  47. **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

48. **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
49. A.S. Sodiya, S.A. Onashoga, and **D.I. Adelani**. A secure e-voting architecture. In *Information Technology: New Generations (ITNG), 2011 Eighth International Conference on*, pages 342–347. IEEE, 2011

## FAVOURITE QUOTE

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