



EMMANUEL ORİYOMI ASOLO

Badagry | 103101 Lagos, Nigeria. | [LinkedIn](#) | [Google Scholar](#) | [Researchgate](#)

PROFESSIONAL PROFILE-

Machine Learning Engineer, AI researcher with 3+ years of experience in large-scale application development and Machine Learning Theory, delivering high-quality hardware components using diverse hardware implementations of Machine Learning, Symbolic Reasoning Systems, and Deep Learning to design, develop, and deploy predictive models with the use of algorithms to solve complex problems.

EDUCATION-

- **Osun State University**
Bachelor of Science in Computer Science
Email: asoloemmanuel247@gmail.com
Phone: +234 -816-543-7796

EMPLOYMENT-

- Member Research Team (CISCO LABS) Jan 2023-Till Date
Department of Information and Communication Technology (Osun State University)
Email: esther.isola@uniosun.edu.ng , alabioluwaseun26@gmail.com (Supervisor)
Phone: +234 -803-366-0008

PUBLICATIONS-

- AI-Powered Decision Support Systems for Sustainable Agriculture Using AI-Chatbot Solution.
(Journal of Digital Food, Energy & Water Systems) JD-FEWS - June 2024
<https://scholar.google.com/citations?user=GXBnk94AAAAJ&hl=en>
Author
- Assessing the Cybersecurity Risks Associated with the Internet of Things (IoT) Devices
(Mikailalsys Journal of Advanced Engineering International) MJAE - Sep 2024
<https://www.researchgate.net/profile/Emmanuel-Asolo>
Co-Author
- Artificial Intelligence - Driven Fuzzy Logic Approach for Optimal Well Selection in Gas Lift
Optimization: A Brown Field Case Study - Oct 2024
<https://www.researchgate.net/profile/Emmanuel-Asolo>
Co-Author

PENDING RESEARCH-

- AI-Enabled Disinformation Detection: Tool for Promoting e-Government, Democratic Engagement, Media Literacy, and Civic Awareness
(National Endowment For Democracy) NED
Author
- Enhancing Urban Surveillance with Fog Computing, Mobile Cloud, and Big Data Analytics in 5G Networks.
(International Journal of Education, Management, and Technology) IJEMT
Co-Author

NON-UNIVERSITY PROFESSIONAL ACTIVITIES-

- Techcellence 3.0 - 'Innovating for the Future (2024)
- Mindset Reengineering Conference (2024)
- Techcellence 2.0 - 'Innovating for the Future (2023)
- Convergence of Young African Leaders Summit (COYALA 2023)
- We Create Conference – Finance, Facility and Infrastructure – Closing the gaps in the Nigerian Creative Industry (2023)
- Nigerian Annual International Conference and Exhibition (NAICE), 2020 (Virtual).
- Annual Technical Conference and Exhibition (ATCE), 2020 (Virtual).
- Nigerian Annual International Conference and Exhibition (NAICE), 2019.
- Students' Technical Symposium and Exhibition (STSE), 2019.

UNCOMPENSATED POSITIONS-

Intern (UNPAID)

May - Nov 2022

- Robotics Africa

Phone: +234 -813-840-8363

- Bitxbase Technology

Nov - Feb 2018

Phone: +234 -708-652-2451

- Eagles Institute of Technology

Mar - Oct 2017

Graduate Application
RESEARCH / PERSONAL STATEMENT

Emmanuel Oriyomi ASOLO | Columbia University | Ph.D. Computer Science

I am Emmanuel Oriyomi ASOLO, a prospective Ph.D. student of Computer Science at Columbia University, The Fu Foundation School of Engineering and Applied Science.

I have a bachelor's degree in Computer Science from Osun State University, Osogbo, Nigeria. I graduated in 2020. I'm currently a research assistant at CISCO LABS, Department of Information and Communication Technology, Osun State University, under the supervision of my Research Supervisor, Dr. Esther Isola at the prestigious Osun State University here in Nigeria, whose research focuses on ***Machine Learning, Artificial Intelligence, Software Complexity, Computer Architecture, Computer Security, and Control Systems.***

I'm interested in working with ***Dr. Vondrick Carl, Dr. Alman Josh, Dr. Chilton Lydia B, Dr. Kaffes Kostis, Dr. Knowles David, Dr. Li Yunzhu, Dr. Vondrick Carl and Dr. Smith Brian A,*** at the Faculty of Computer Science at Columbia University, as their research interest in Machine Learning, Control Systems, Natural Language Processing (NLP), Computer Security and Pattern Recognition completely align with my research background and goals.

I have adequate knowledge in Deep Learning, Natural Language Processing, Threat Analysis, various applications of Artificial Intelligence, Security principles, Python and Java programming skills, Mitigation Techniques, and Research and Leadership Skills.

In addition, I have published research papers;

- ❖ ***"AI-Powered Decision Support Systems for Sustainable Agriculture Using AI-Chatbot Solution" June 2024 (Journal of Digital Food, Energy & Water Systems (JDFEWS))***
- ❖ ***"Assessing the Cybersecurity Risks Associated with the Internet of Things (IoT) Devices" September 2024 (Mikailsys Journal of Advanced Engineering International (MJAEI))***

I am currently working on the following research projects;

- ❖ *Enhancing Urban Surveillance with Fog Computing, Mobile Cloud, and Big Data Analytics in 5G Networks.*
- ❖ *AI-Enabled Disinformation Detection: Tool for Promoting e-Government, Democratic Engagement, Media Literacy, and Civic Awareness (National Endowment For Democracy)*
- ❖ *Artificial Intelligence-Driven Fuzzy Logic Approach for Optimal Well Selection in Gas Lift Optimization: A Brown Field Case Study.*

Subscribing to the Ph.D. in Computer Science at Columbia University is borne out of my quest to utilize the available resources in your institution for research to enhance my ongoing study in IoT, Machine Learning and Artificial Intelligence, Computer Security, and IoT. My observant and research personality has always pushed me to do more outside the University walls.

Emmanuel Oriyomi ASOLO | Columbia University | Ph.D. Computer Science

I would like to bring to the admissions committee's attention some additional information that may not be immediately apparent from my application. Despite my strong research experience in AI and Machine Learning, my undergraduate **CGPA** may only partially reflect my academic abilities.

I want to provide context for this discrepancy. During my undergraduate studies, I faced circumstances that impacted my academic performance, including inadequate resources, university strikes, and family challenges. These challenges led to a lower **CGPA** than I had anticipated. However, I want to emphasize that my passion for research and academic growth never wavered. I actively sought out research opportunities, collaborated with peers, and pursued publications. My published research paper demonstrates my capabilities and commitment to contributing meaningfully to the field of Computer Science.

Through these challenges, I developed strong time management skills, and learned to adapt to new situations, these skills will serve me well in the Ph.D. program. I understand that a Ph.D. program at Columbia University, is highly competitive, and I want to assure the admissions committee that my low **CGPA** does not define my potential. I am eager to leverage my research experience, leadership skills, and passion to excel in this program.

I request that the admissions committee consider my application holistically, taking into account my research achievements, leadership experience, and personal statement. I am confident that, given the opportunity, I will make valuable contributions to the academic community at Columbia University, and achieve academic success in the Ph.D. program.

Please consider me for admission, research and dissertation Advisor, and also recommend me for any available funding opportunity. Thank you for considering my request, I'm positive about the possibility of working together and advancing research in these fascinating fields.