Olorundamilola 'Dami' Kazeem

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EDUCATION

Stevens Institute of Technology (SIT), Hoboken, NJ
Masters of Engineering in Computer Engineering, 2014.
Concentration: Artificial Intelligence
Relevant Courses: Applied Data Structures & Algorithms, Applied Machine Learning, Pattern Recognition & Classification, Introduction to Knowledge Engineering

New York University (NYU) , New York, NY
Bachelor of Science in Mathematics, 2007.
Stevens Institute of Technology (SIT), Hoboken, NJ
Bachelor of Engineering in Electrical Engineering, 2007.
Dual Degree, Dual University Program (NYU/SIT)

EXPERIENCE

Hanlon Laboratories at SIT (Research Data Engineer)   2017-Present
- Providing data access and pipelines to researchers, faculty, and students.
- Conducting STEM related lectures, workshops, and training sessions.

Stevens Institute of Technology (Research/Teaching Assistant)   2013-2016
- Researched analytical methods for streaming and sensor data with specific concentration in sampling, sketching, sliding window, and outlier techniques.
- Assisted with developing course materials (i.e. lectures, assignments, reports) in the emerging area of study in massive streaming and sensor data.

RunAds (acquired by Publicis) (Data Scientist)   2014
- Analyzed times series data for computational advertising click through rate and conversion prediction.
- Developed data-driven applications from backend ETL to frontend visualization.
- Researched and engineered methods for sponsored search and real-time bidding systems.

Cyberflow Analytics (acquired by Webroot) (Research Intern) 2013, Summer
- Researched stream and sensor applications, methods, and techniques in big data using mathematical and statistical models, machine learning, analytics, and visualizations.
- Performed exploratory data analysis for shallow packet inspection (SPI) of libpcap data dumps using Wireshark, R, and Python of 3 million network session level records (which were reconstructed from 36 million packet level records) for SPI development.
- Managed efforts of the research intern team, which included aspects from big data database infrastructures to high-performance visualization software.

Yesgoody (Co-Founder)   2012-2013
- Founded a artificial intelligence startup that provided analytics solutions to small business and local merchants.
- Developed a viable product with several local merchants engagement for the merchant operating system (MOS).

Stevens Institute of Technology (Teaching Assistant)   2011-2012

- Taught 100+ first year undergrads across 4 lab recitation sections in fundamentals and object-oriented programming using C++.

Bank of America Merrill Lynch (Risk Technology Associate)   2009-2011
- Improved the process of risk analysis reports by creating standardized template system for risk data analysis to internal clients.

JPMorgan Chase Co. (Investment Bank Technology Analyst)   2007-2009
- Worked with multiple lines of business to manage timely and successful data sourcing of Market Risk information across the Investment Bank to capture information for use by risk management systems.

New York University and Stevens Institute of Technology (Swarm Intelligence Researcher)   2005-2007
- Developed and published new optimization algorithm which employed a synergistic and evolved approach to fundamental swarm theories in Ant Colony Optimization (ACO) and Particle Swarm Optimization (PSO).
- Led and coordinated an 8 member research initiative funded by the National Science Foundation (NSF) and Defense Advanced Research Projects Agency (DARPA).

PUBLICATIONS	**A Bio-Inspired Multi-Robot Coordination Approach** Yan Meng, **Olorudamilola Kazeem**, and Jing Gan. Int'l Conf. on Informatics in Control, Automation and Robotics (ICINCO), 2007. **A Swarm Intelligence Based Coordination Algorithm for Distributed Multi-Agent Systems** Yan Meng, **Olorundamilola Kazeem**, and Juan Muller. Int'l Conf. on Integration of Knowledge Intensive Multi-Agent Systems (KIMAS), 2007. **A Hybrid ACO/PSO Control Algorithm for Distributed Swarm Robots** Yan Meng, **Olorundamilola Kazeem**, and Juan Muller. IEEE Swarm Intelligence Symposium (SIS), 2007
TEACHING EXPERIENCE	**CS-115-A,B: Intro. to Comp. Sci. II using Python.** (Adjunct Professor) Spring 2020. **CS-110-B: Intro. to Comp. Sci. I using Python.** (Adjunct Professor) Fall 2019. **FE-512-A: Database Engineering.** (Adjunct Professor) Spring 2019, Fall 2018 **QF-104-B,C: Data Management in R.** (Adjunct Professor) Spring 2019. **MIS-201: Fundamentals of Information Systems.** (Adjunct Professor) Fall 2017. **TM-605: Probability for Telecom Managers.** (Adjunct Professor) Spring 2017. **CS-513, MIS-637: Knowledge Discovery and Data Mining I.** (Guest Lecturer). Fall 2016, Spring 2016, Spring 2015, Fall 2014. **MIS-676: Data Stream Analytics.** (Teaching Assistant). Spring 2016, Spring 2015. **E-115: Intro. to Programming using C++.** (Teaching Assistant) Fall 2012, Fall 2011. **E-245: Circuits and Systems.** (Teaching Assistant) Spring 2012.
HONORS / AWARDS	**Outstanding Teaching Assistant Award. Department of Electrical and**

Computer Engineering @ SIT. Fall 2012

National Science Foundation REU Award. Summer 2006

SKILLS   **Computer Languages:** C++, Haskell, Python, R, Shell (Bash, Powershell), La-TeX
Software: Cloud Computing (AWS, GCP), Databases (SQL, NoSQL), IDEs and Notebooks (Google Colab, Jupyter Notebooks for Various Programming Language Kernels, RStudio, VSCode, etc.), Version Control (Git, Github), Virtualization (Vagrant) and Containerization (Docker, LXC)
Human Languages: Fluent in English and Yoruba; Intermediate in Chinese (Mandarin) and Polish
Teaching: Computer Programming, Computer Science, Data Science, Engineering (Computer and Electrical), Mathematics, Probability, Statistics
Operating Systems: Linux, MacOS, NixOS, Unix, Windows