OLORUNDAMILOLA 'DAMI' KAZEEM

@odsogunro «

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1 dash 646 dash 703 dash 4481

Education

2014
M. Eng. in Computer Engineering. Stevens Institute of Technology (SIT)
Specialization: Artificial Intelligence and Machine Learning

2007 - Dual Degree Program
B. Sc. in Mathematics. New York University (NYU).
B. Eng. in Electrical Engineering. Stevens Institute of Technology (SIT).

Experience

2017-Present
Research Data Engineer. Hanlon Financial Systems Center and Laboratories @ SIT.
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2013-2016
Research/Teaching Assistant. Stevens Institute of Technology.
Researched analytical methods for streaming and sensor data with specific concentration in sampling, sketching, sliding window, and outlier techniques. Focused on the areas with specific applications to Internet of Things industries. Assisted with developing course materials (i.e. lectures, assignments, reports) in the emerging area of study in massive streaming and sensor data.
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2014
Data Scientist. RunAds (acquired by Publicis).
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.

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2013, Summer

Research Intern. Cyberflow Analytics.

Managed efforts of the research intern team, which included aspects from big data database infrastructures to high-performance visualization software. 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. Researched stream and sensor applications, methods, and techniques in big data using mathematical and statistical models, machine learning, analytics, and visualizations.

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2012-2013

Co-Founder. Yesgoody.

Founded a business 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). Intended to create an efficient market for local merchants, customers, and other participants in a given community by being the central community data provider.

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2011-2012

Teaching Assistant. Stevens Institute of Technology.

Research work in artificial neural networks and machine learning paradigms with direct application to bioinformatics and prediction analysis. Taught 100+ first year undergrads across 4 lab recitation sections in fundamentals and object-oriented programming in C++.

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2009-2011

Risk Technology Associate. Bank of America Merrill Lynch.

Improved the process of risk analysis and reports by creating standardized template system for risk data analysis to clients. Prepared reports for risk managers in the credit lines of business (credit product coverage includes corporate and sovereign bonds; and cd swaps, indices, tranches, and bespokes).

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2007-2009

Investment Bank Technology Analyst. JPMorgan Chase & Co.

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.

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2005-2007

Swarm Algorithm Researcher. New York University and Stevens Institute of Technology.

Led and coordinated an 8 member research initiative funded by the National Science Foundation (NSF) and Defense Advanced Research Projects Agency (DARPA). 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).

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Miscellanea

Skills

Technology Skills

Python, R, Databases (SQL, NoSQL), Shell (Bash), Haskell, Version Control (Git), OS (Unix, Linux, NixOS, Mac), Virtualization and Containerization, LaTeX

Teaching Skills

Computer Programming, Computer Science, Data Science, Engineering (Computer and Electrical), Mathematics, Probability, Statistics

Language Skills

Fluent in English and Yoruba; Intermediate in Chinese (Mandarin) and Polish

Awards

2011 - 2012

Outstanding Teaching Assistant Award. Department of Electrical and Computer Engineering @ Stevens

2005 - 2007

National Science Foundation/DARPA REU Award

Projects

Present

In progress...

Publications

Present
In progress...

2007
Y. Meng, O. Kazeem, and J. Gan, A Bio-Inspired Multi-Robot Coordination Approach, International Workshop of MARS 2007, Angers, France. here

Y. Meng, O. Kazeem, and J. Muller, A Swarm Intelligence Based Coordination Algorithm for Distributed Multi- Agent Systems, IEEE KIMAS, 2007 MA, USA. here

Y. Meng, O. Kazeem, and J. Muller, A Hybrid ACO/PSO Control Algorithm for Distributed Swarm Robots, IEEE SIS 2007, Hawaii, USA. here

Research

Current Research Interests
Artificial Intelligence, Robotics, ...

Teaching

Fall 2020
Professor. FE512 - Database Engineering
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Spring 2020
Professor. CS115 - Introduction to Computer Science II
...

Fall 2019
Professor. CS110 - Introduction to Computer Science I
...

Spring 2019
Professor. FE512 - Database Engineering
...
Professor. QF - Data Management in R
...

Fall 2018
Professor. FE512 - Database Engineering

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Spring 2018

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Fall 2017
Professor. MIS 201 - Fundamentals of Info Systems

...

Spring 2017
Professor. TM 605 - Probability for Telecom Managers.
An Introduction to Probability and Statistics.

...

Fall 2016
Guest Lecturer. MIS 637 - Knowledge Discovery and Data Mining I.

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Guest Lecturer. CS 513 - Knowledge Discovery and Data Mining I

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Spring 2016
Teaching Assistant. MIS 676 - Data Stream Analytics

...

Guest Lecturer. MIS 637 - Knowledge Discovery and Data Mining I

...

Spring 2015
Teaching Assistant. MIS 676 - Data Stream Analytics

...

Guest Lecturer. CS 513 - Knowledge Discovery and Data Mining I
Data Mining using the Commandline, Python, and R

...

Fall 2014.
Guest Lecturer. CS 513 - Knowledge Discovery and Data Mining I
Data Mining using the Commandline, Python, and R

...

Fall 2012
Teaching Assistant. E 115 - Introduction to Programming

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Spring 2012
Teaching Assistant. E 245 - Circuits and Systems

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Fall 2011
Teaching Assistant. E 115 - Introduction to Programming

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Zzz's

Cooking
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References

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