Soji Omiwade

7107 Hidden Trails Ct
Sugar Land, TX 77479

omiwade.weebly.com

281-733-0400
omiwade@gmail.com

Education:	Ph.D. and M.S. in Computer Science University of Houston, Houston, TX	2011
	B.S. in Computer Science and Physics, Minor in Mathematics Abilene Christian University, Abilene, TX	2005

Experience: Aramco – Senior Software Engineer   09/2018 – Present
- Web scraping Texas state websites for oil and gas production header and data files
- Semi-structured to structured data transformation for Data Analytics
- Prototype concurrent execution models for the single threaded Multi-Frac application
- WPF port and extensions of a Visual Basic oil and gas production forecasting tool

Royal Dutch Shell – Technical Consultant through Openlink   10/2014 – 05/2017
- Designed, developed, and tested a robust commodities trading and scheduling interface
- Nonfunctional requirements gathering to build performance evaluation modules
- Built tools for performance testing of trade booking and commodities scheduling

Other Commodities Trading Software Engineering Projects   05/2012 – 09/2018
- Automated error-prone activities of natural gas scheduling at Wells Fargo Bank
- Rewrote T-SQL pricing provisions modules for the web at Enterprise Products
- Implemented various data aggregation and reporting scripts for EQT and Chevron
- Winforms UI screens and backend development for pricing natural gas at Enbridge
- WPF C# UI screens development for Bank of Itau
- Extended various accounting and confirmations reporting scripts for Aux Sable

Wireless Systems Research Group – Research Assistant   06/2006 – 06/2011
- Developed a framework for testing energy-based wireless sensor network algorithms
- Designed a mesh network throughput targeting algorithm, and implemented it in ns-2
- Linux based socket programming on TCP traffic to performance test Google PageRank

Skills: Python, Java, SQL, C#, Endur, Right Angle, Visual Studio, Commodities Trading

Publications: S. Omiwade and R. Zheng, "Online data recovery in wireless sensor networks," 2012 9th Annual IEEE Communications Society Conference on Sensor, Mesh and Ad Hoc Communications and Networks

Y. S. Han, S. Omiwade and R. Zheng, "Progressive Data Retrieval for Distributed Networked Storage," in IEEE Transactions on Parallel and Distributed Systems, vol. 23, no. 12, pp. 2303-2314, Dec. 2012.

S. Omiwade, R. Zheng and C. Hua, "Practical Localized Network Coding in Wireless Mesh Networks," 2008 5th Annual IEEE Communications Society Conference on Sensor, Mesh and Ad Hoc Communications and Networks, San Francisco, CA, 2008, pp. 332-340.