Lennox Thompson

AWS Cloud Technical Trainer
Strategy, Ops, Infra-WW
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Links

Github: **https://github.com/lethompson**
LinkedIn: **https://www.linkedin.com/in/lennox-thompson-7955a3a4**
Resume:// **https://lethompson.github.io**

Skills

OS
Unix/Linux, Windows

LANGUAGES
C/C++, Java, Python, PHP, Javascript, Matlab

FRAMEWORK
Flask, AngularJS, D3.js, HTML5
Node.js, Bootstrap, Web-development

DATABASES
MySQL, PostgreSQL, MongoDB, DynamoDB
RDS - MySQL, Amazon Aurora, T-SQL, H2
RedShift (Data Warehouse)

OTHERS
Generic Mapping Tool (GMT), Git, Vim, Eclipse, ArcGIS, ParaView, PyCharm, Quicksight Cloud9, Python Jupyter Notebook, LaTeX, Tableau, C-Shell Scripting, Bash Scripting

Certifications

AWS Certified Cloud Practitioner
AWS Certified Solution Architect - Assoc
AWS Certified Developer - Assoc
AWS Certified SysOps Administrator - Assoc
AWS Certified Solution Architect - Pro
AWS Certified DevOps Engineer - Pro
AWS Certified Big Data Specialty - Inprogress

Education

2016-2017
MS SOFTWARE ENGINEERING
University of Texas at El Paso

2008-2010
MS GEOPHYSICS
University of Texas at El Paso

2003-2008
BS COMPUTER SCIENCE
Coppin State University

Experience

2018-NOW **Amazon Web Services** **AWS Cloud Technical Trainer Specialist I**
Taught customers of all sizes on the value proposition of AWS. Assisted and lead training sessions for customers considering or already using AWS. Developed proof of concept (PoC) for presentations. Provided an overview of lab training material and helped customers with AWS qwiklab sessions.

2017-2017 **Exxon Mobil** **Software Engineering Intern**
Designed a Dashboard solution for Reporting data using Microsoft Azure SQL & Tableau. I had to develop interfaces between multiple data sources (MSSQL, PowerPoint, Excel, XML, SharePoint).

2015-2016 **Lumina Geophysical LLC** **Software Geophysics Programmer**
Performed software installations, testing, and license management. Developed software modules in Matlab. Written and maintained extensive technical documentation for earthquake data.

2011-2015 **CyberShare Center** **Geo-Data Visualization RA**
Expanded on a constrained optimization approach for a joint inversion least-squares (LSQ) algorithm to characterize one-dimensional Earth's structure using multiple geophysical data sets. Developed 3-D models of the Earth structure using the Multi-Objective Optimization scheme for the Texas region.

2008-2010 **CyberShare Center** **Seismic Mapping & Visualization Research Assistant**
Implemented Zhu & Kanamori teleseismic receiver function technique to map the crustal & velocity structure of the Rio Grande Rift. I focused on imaging the southern Rio Grande Rift, the widest section of the rift, to help answer questions about how it formed and to determine whether this process is still ongoing.

2008-2008 **Unavco inc** **Computer Science RESESS Intern**
This research focused on the Southern Rio Grande Rift (SRGR) to develop 2-D contour maps of the velocity and crustal structure using data from seismograms that have been installed around region.

2007-2007 **Unavco inc** **Computer Science RESESS Intern**
Updated an old Matlab version 5.3 Displacement model of Taal Volcano to a newer Matlab version 7.0. The purpose of my research was to be able to run the old Matlab program on an updated version of Matlab so the scientific community could use this program to better understand the unknown processes of the magma chamber in Taal Volcano.

2006-2006 **Unavco inc** **Computer Science RESESS Intern**
Done research on Multipath, a condition where the transmitted radio signal is reflected by physical features or structures, creating multiple reflections of the same signal arriving at the receiver at different times. I assisted in the development of a computer model of Multipath that could be displayed on a digital terrain model.