ALIER RENG

Data science professional, statistician, and educator with over 5-year experience in healthcare analytics and more than seven years of university teaching experience. Passionate and results-oriented data scientist with a proven record of project completion with efficiency and speed. Areas of interest include data science, statistics, and deep learning.

💼 INDUSTRY EXPERIENCE

Sr. Data Analyst

present | 2021

LifePoint Health

📍 Brentwood, TN

- Data Stewardship: perform monthly data validation to ensure data accuracy before being pushed to PowerBI for hospitals' use.
- Support and assist hospitals and the HSC departments with their data needs.
- Perform exploratory and predictive analysis with R and Python.
- Create and modify divisions and hospitals' NHSN Goals, MOR, and QOC reports and dashboards using R and PowerBI.
- Onboard and train new team members.

Data Analyst

2021 | 2016

LifePoint Health

📍 Brentwood, TN

- Cut QOC and MOR decks production time by 80% by automating reports with R Shiny.
- Reduced data errors and optimized accuracy by automating CHOIS monthly mortality reports with R Shiny.
- Used R to automate the CMS company-wide VBP, HAC Penalty, and MSPB reports extraction processes.

🖥 TEACHING EXPERIENCE

Lecturer

2016 | 2011

Middle Tennessee State University

📍 Murfreesboro, TN

- Taught general math courses including plane trigonometry, applied calculus I, applied statistics/introductory statistics, finite mathematics, college algebra, mathematics for general studies (Mathematical Ideas), and Pre-Calculus (Pathways to Calculus).
- Turned 'F' students into 'A' and 'B' students through active and participatory learning; used hands-on approaches to make students conceptualize mathematical concepts to be able to construct meaningful mathematical statements.
- Helped challenged students to change their negative thinking into positive-possibility thinking through friendly coaching and mentorship.

CONTACT

- ✉ tongakuot@icloud.com
- 🔗 cushanalytics.com
- ⌂ github.com/tongakuot
- 🐦 twitter.com/tongakuot
- in linkedin.com/in/tongakuot/

SKILLS

🖥 **Programming:** R, Python, PySpark, SQL, HTML, CSS

💼 **Tools:** RStudio, Jupiter Notebook, R Shiny, PowerBI, Microsoft (Word, Excel, PowerPoint), Visual Studio Code, Cognos

>_ **Framework:** R Shiny, Django, WordPress

R & Python Packages: Tidyverse, tidyquant, lubridate, ggplot2, Shiny, ggrepel, pagedown, xaringan, stationery, papaja, RMarkdown, gt, knitr, skimr, tidymodels, tinytex, pandas, numpy, matplotlib, seaborn, scikit-learn, sympy, BeautifulSoup, Spacy

Version Control: Github

💡 **Other**: Data science, statistics, mathematics, teaching, data visualization with R Shiny, time series, machine learning (ML), deep learning (DL), natural language processing (NLP)

🎓 EDUCATION

2017 | 2016	**MBA., Information Systems Management** LeTourneau University 📍 Longview, TX
2011 | 2009	**M.S., Professional Science – Biostatistics** Middle Tennessee State University 📍 Murfreesboro, TN
2008 | 2005	**B.S., Neuroscience** University of Texas at Dallas 📍 Richardson, TX
2005 | 2003	**General Studies (Mathematics/PreMed/PrePharmacy)** Richland College (DCCCD) 📍 Dallas, TX

👤 LEADERSHIP AND COMMUNITY ENGAGEMENT

Present | 2020	**President** Jonglei Institute of Technology 📍 Murfreesboro, TN

- Run the day-to-day activities of the organization.
- Plan and implement programs to advance the company's mission & vision.
- Write and maintain the company's legal documents, build and maintain the website.
- Teach data science courses with Python and R.

ONLINE COURSES

Business Science: DS4B 202A-R: Shiny Developer with AWS; DS4B 101-R: Business Analysis With R; DS4B 201-R: Data Science For Business With R

Datacamp: Machine Learning Scientist with R; Data Scientist with R; Data Scientist with Python; Winning a Kaggle Competition in Python

Udemy: PySpark Essentials for Data Scientists (Big Data + Python); Web Scraping and API Fundamentals in Python 2021; Interactive Python Dashboards with Plotly and Dash; Master in Microsoft Power BI Desktop and Service

AWARDS & HONORS

LifePoint Health
Mercy Award (2020)

The University of Texas at Dallas
Louis Stokes Alliance for Minority Participation (LSAMP) Scholarship (2006 - 2007)

Richland College (DCCCD)
Vice President's List (2005)