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OLUCHI RANDOLPH

DATA & RESEARCH SCIENTIST

Fascinated by the relationship between how we see ourselves (identity), how we see the world (perception), and the choices we make (behavior). Transitioning into a data science career to impactfully synthesize my social science expertise, interest in design-thinking, and data science skillset. Passionate about leveraging my diverse skills to tackle complex problems. Seeking opportunities to promote value-rich services, products, and experiences through data-driven decision-making.

TECHNICAL SKILLS

- R (tidyverse, plotly, shiny, etc.)
- Python (numpy, pandas, beautiful soup, matplotlib, seaborn, scikit-learn, etc.)
- SQL (Postgres)
- Supervised and Unsupervised Learning (linear and logistic regression; KNN; k-means clustering; regularization via ridge and lasso regression, etc.)

RESEARCH SKILLS

- Experimental Designs
- Ethnography (participant observation, case studies)
- Survey Development
- Interviewing (focus groups and individuals)
- Qualitative and Quantitative Analysis

COLLABORATION TOOLS

- Git/GitHub
- Slack
- Google Workspace
- Zoom

TECHNICAL TRAINING

NASHVILLE SOFTWARE SCHOOL | Data Science Apprentice

SEPT 2020 – JUN 2021

Trained in software engineering and analytical skills to source, clean, and analyze data. Collaborated on team-based projects to answer questions and provide data-driven recommendations that address local businesses' needs.

Independent projects include:

- [Integration and Pathways to Belonging](#) (R Shiny; Jan 2021): Explored community characteristics in 8 cities that are likely to influence the resettlement experiences of Somali refugees in the U.S.

Collaborative projects include:

- [Representation, Inclusion, and Opportunity Dashboard](#) (R Shiny; developer): At the request of a local B Corporation, we built an R Shiny app that allowed them to compare their uploaded demographic data with demographic Census data available for multiple cities in Tennessee
- [TN Earthquake Risk Assessment](#) (Python; team lead): Made resource allocation recommendations based on the relative risk of experiencing an earthquake and the likelihood of recovering from an earthquake for all 95 counties in Tennessee
- An analysis of [Provider Communities in Nashville](#) (SQL, Python, Neo4j; developer): Explored patient referral patterns between healthcare providers and facilities to identify relational strengths, weaknesses, and opportunities for growth

EDUCATION

NASHVILLE SOFTWARE SCHOOL

Nashville, Tennessee

Data Science Bootcamp

June 2021

VANDERBILT UNIVERSITY

Nashville, Tennessee

[Ph.D.](#) | Community Research and Action

May 2014

EMORY UNIVERSITY

Atlanta, Georgia

B.A. | Psychology and Linguistics

May 2009

EXPERIENCE

VANDERBILT UNIVERSITY

Postdoctoral Research Associate, Sociology Department

JAN 2017 – SEPT 2020

- Served as a project manager for a research team investigating the attrition and retention of STEM Ph.D.'s on faculty career paths
- Developed online surveys with Qualtrics and created interview instruments to collect original quantitative and qualitative data
- Played a central role in data curation, exploration, and analysis
- Disseminated findings via reports, infographics ([available here](#)), peer-reviewed papers, and presentations to project stakeholders and individuals in leadership from universities across the U.S

ASSOCIATION OF BLACK SOCIOLOGISTS

The Association of Black Sociologists is a professional organization of practitioners, scholars, and students who use social scientific approaches to investigate and address social problems that affect historically oppressed groups in general and Black/African American people in particular.

Conference Program Administrator

OCT 2015 – OCT 2018

- Compiled submission information and served as the primary contact for over 200 conference participants each year
- Streamlined records for tracking membership and registration dues for the Executive Officer
- Planned and organized participants into 40+ panels by research topic for annual three-day conferences in the U.S. and Canada
- Assisted with conference setup, breakdown, and smooth operation

FISK UNIVERSITY

General Psychology Adjunct Instructor, Behavioral Sciences Department

AUG 2014 – DEC 2016

- Designed curriculum and assessments for 35+ students over the course of 16 weeks each semester
- Guided survey development, data collection, and statistical analyses as a faculty research advisor for upperclassmen