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Lance J. Roller II

HEALTHCARE | RESEARCH | DATA ANALYTICS

Contact

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Education

Nashville Software School
Nashville, TN
Certificate in Data Analytics
June 2022 (Expected Finish Date)

City University of New York
Graduate School of Public Health & Health Policy
New York, NY
Certificate in Population Health Informatics
May 2021

Indiana University- Bloomington
School of Public Health,
Bloomington, IN
Masters of Science
May 2013

University of Virginia
Curry School of Education,
Charlottesville, VA
Bachelors of Science in Education
May 2012

Skills

Excel
JASP
MAXQDA
Power BI
Python
R
Research Electronic Data Capture (REDCap™)
SAS (University Edition)
SQL
Tableau

About

I'm an enthusiastic, detail oriented, and interpersonal project manager with 7+ years of healthcare and research experience, looking to transition into data analytics. I'm eager to apply my new skills along with my current education to tell stories and solve problems with the use of data.

Work Experience

Nashville Software School , *Nashville, TN*   2022-Present
Data Analyst Apprentice

• Six-month intensive introduction to data analytics and business intelligence. Emphasis on analytical reasoning through hands-on training on every stage of the analytics workflow. Using real data presented by Nashville employers. Learning includes communicating findings through presentations, storytelling, building reports, and creating dashboards. Focus on teamwork, team building, and leadership allows students to integrate with analytical teams in the future.

Projects:

App Trader (SQL): Pulled mobile device app store data to run queries in order to present the top 10 apps yielding the highest return of investment which also with fit the theme for National Pi Day.

 Central Park Squirrel Census (Excel, Power BI): Explored and analyzed dataset on the 2018 Central Park Squirrel Census. Created visualizations using Power BI based to tell a story about the data.

Data Analyst Job Titles (SQL): Used SQL to perform queries in order to explore and answer questions about Data Analyst positions based off the Indeed Data Scientist/Analyst/Engineer dataset.

Exploration and Analysis of Yelp reviews of businesses in Charlotte, NC (Excel): Used power pivot in excel to explore and analyze the dataset based off Yelp Reviews in Charlotte, NC. With the data, we were able to answer questions and give recommendations about places or reviewers to those who plan on visiting or conducting business the the Charlotte area.

Interactive Excel Dashboard For Informing Low Income and Elderly Assistance Grants (Excel): Collaborated with a small team of analyst to create an interactive dashboard for a non-profit organization, with the goal of providing assistance to low income and elderly taxpayers.

Lahman Baseball Project (SQL): Using SQL queries to find answers to questions about Major League Baseball from 1871- 2016.

Monthly searches on the Metro Nashville website (Excel): Explored and analyzed dataset based off the Top 500 Monthly Searches on https://data.nashville.gov.

Nashville City Cemetery (Excel): Cleaned and explored dataset on burials at the Nashville City Cemetery from 1846 to 1979 to find interesting facts for marketing materials for the cemetery. Created advertisements / visualizations based on the data to attract more visitors to the cemetery.

Nashville Marathon Project (Excel): Explored and analyzed dataset based off the Nashville Rock-and-Roll Marathon and Half-Marathon Races from 2016 - 2019. With the information collected a 5 minute presentation was given by the group to show our findings.

United Nations GDP and Internet Use (Python): Performed an exploratory data analysis on GDP and internet use statistics in a Jupyter notebook. Techniques used for this analysis included imported python packages such as pandas, NumPy, matplotlib.pyplot, and seaborn. Python was also used in this project to subset data, merge tables, rename columns, identify statistical dimensions, and graph data using scatterplots, distplots, and facet grids.

Vanderbilt University Medical Center, *Nashville, TN*   2016-Present
Project Manager   2022-Present

• Works for the Institute for Medicine and Public Health (IMPH) with the goal of connecting research and teaching with policy and practical solutions.
• Responsible for network navigation and project management within the STAR Clinical Research Network (CRN) to support population and public health research projects.
• Creates and maintains REDCap databases and surveys when required at the project level.
• Maintains data management of site study data including recruitment, enrollment, and study-level data elements.
• Medical chart reviews and recruitment analysis for patient level-data, regular reporting of recruitment activities using quantitative and qualitative methods.

Clinical/Translational Research Coordinator I   2016- 2017
Clinical/Translational Research Coordinator II   2018- 2020
Clinical/Translational Research Coordinator III   2021-2022

• Conducts and manages research projects for the Department of Allergy, Pulmonary, & Critical Care along with the Vanderbilt Ingram Cancer Center
• Creates databases, records, enters, reconciles, and manages research data via RedCap, OnCore, Excel & Metaclinic.
• Responsible for the collecting, processing, storage, reconciliation, and management of bio-specimen in the Thoracic and Lung Transplant Biorepository laboratories.
• Assists Principal Investigator with IRB, clinicaltrials.gov, abstract, and manuscript submission.
• Assists in study data analysis
• Responsible for the start up, negotiations, contracting, budgeting, invoicing, and charge reconciliation for investigator initiated and sponsored clinical trials.

Tennessee Valley Healthcare System (TVHS-VA), *Nashville, TN*   2017- 2022
Research Coordinator (WOC)

North Carolina Central University, Durham, NC   2016
Research Assistant

University of North Carolina, *Chapel Hill, NC*   2015- 2016
Clinical/Social Research Assistant

• Manages recruitment, consenting, and the enrollment of potential veteran patients to participate in studies.
• Administers communication directly with patients about study protocols, follow-up procedures, and general inquiries relating to the study, to help improve overall patient health
• Conducted health and fitness assessments (i.e. height, weight, blood pressure) of participants
• Conducted qualitative interviews and completed data entry/processing
• Interviewed potential and current project stakeholders along with individuals who can inform our discussion and planned to sustain community intervention programs.
• Conducted literature reviews and literature synthesis

Optum Health (Plus One Health Management), *Stamford, CT*   2015
Exercise Specialist

• Performed fitness evaluations of client's abilities, needs, and physical conditions, to develop and implement progressive, individualized exercise programs to meet any special requirements.
• Provided ongoing observation and interpersonal feedback of corrective measures
• Proactively engaged members on the fitness floor, enhance enrollment, utilization, retention, revenue, and the total customer service experience.
• Constructed articles, recipes, and fitness tips for company monthly newsletter.
• Created, administered, and presented monthly wellness tables for our clients to participate in.
• Provided proactive supervision of all members or guests exercising in the fitness center by demonstrating proper operation of fitness equipment