MICHAEL
ANDERSON

Data Science Research Analyst

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Innovative Humanitarian Research Analyst with a focus on integrating technology and data science into humanitarian research methodologies. Proficient in employing machine learning algorithms and big data analytics to derive insights that inform humanitarian interventions. Experienced in collaborating with cross-functional teams to develop data-driven solutions that enhance program effectiveness. Strong background in conducting rigorous evaluations and impact assessments, ensuring that research findings are both reliable and actionable.

WORK EXPERIENCE

Data Science Research Analyst | Tech for Humanity   Jan 2022 – Present

- Applied machine learning techniques to analyze large datasets from humanitarian programs.
- Developed algorithms to predict program outcomes and optimize resource allocation.
- Collaborated with software developers to create user-friendly data visualization tools.
- Presented analytical findings to stakeholders, driving informed decision-making.
- Led training sessions on data science principles for research teams.
- Conducted literature reviews to identify best practices in data-driven research.

Research Assistant | Innovation in Humanitarian Action   Jul 2019 – Dec 2021

- Supported data collection efforts using advanced digital tools and platforms.
- Assisted in the development of research frameworks that incorporate data science methodologies.
- Conducted statistical analyses to evaluate program impact and effectiveness.
- Collaborated with interdisciplinary teams to enhance research quality and relevance.
- Contributed to the publication of research findings in academic journals.
- Maintained databases and ensured data integrity throughout research processes.

SKILLS

Machine Learning   Big Data Analytics   Data Visualization   Statistical Analysis   Program Evaluation

Training & Development

EDUCATION

Master of Data Science   2015 – 2019

University of Technology

ACHIEVEMENTS

- Developed a predictive model for assessing humanitarian aid effectiveness, adopted by major NGOs.
- Published research on data science applications in humanitarian contexts in leading journals.
- Awarded the Data Innovation Prize for contributions to data-driven humanitarian research.

LANGUAGES

English   Spanish   French