

TANNIA DUBON

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I am a data scientist with training in statistical analysis and advanced modeling techniques. I work primarily with Python and I'm interested in natural language processing and deep learning. I leverage my experience in audit, enterprise-wide strategic initiatives and workflow management with my training in data science to catalyze operations.

I'm currently vested in making open source contributions and furthering my experience in this domain.

Education

Master of Science, Data Science, Northwestern University 2020

Master of Science, International Public Service, DePaul University 2013

Bachelor of Arts, English Literature and French, DePaul University 2006

Summary of Qualifications

- Data Wrangling and Exploration
- Data Visualization
- Feature Engineering
- Building, Comparing, Validating Models
- Quantitative and Qualitative Analysis
- Communicating Results via Presentations & Reports

Technical Skills

- R Programming, Intermediate
- Python Programming, Intermediate/Advanced (Pandas, NumPy, Matplotlib)

Professional Experience

Data Discovery and Engineering Consultant, HAAS Alert
December 2020

- Applied analysis and visualization methods to connected, real-time dynamic vehicle sensor data
- Created investigative process and analysis for the NHTSA Federal Highway Safety Grant for connected vehicle project
- Led efforts for continued data results for market verification and customer adoption
- Illustrated impact for connected vehicle collisions prevention solutions in report to NHTSA

Professional Experience Continued

Internal Auditor, Auditing Services, Rotary International
June 2014 – February 2017

- Planned, executed, and reported on internal audits to maintain operations.
- Established timelines of quarterly audit assignments in collaboration with audit clients.
- Evaluated compliance and internal controls using data, testing and root cause analysis.
- Worked with clients to identify and investigate issues.
- Served as subject matter expert on three cross-organizational projects.
- Conducted monthly follow-up on management actions to address results from audits.
- Implemented a new enterprise risk management program for internal audit.
- Performed data exploration of sampled data.

Auditing and Monitoring Specialist, Stewardship, Rotary International
June 2011 – June 2014

- Conducted random and targeted audits of Rotary-funded grant projects.
- Conducted analyses on grant reporting compliance. Delivered results to trustees and followed-up with entities delinquent on reporting on their grants.
- Closed pervasive, high profile cases in Peru, Mexico, Ecuador, Thailand, Malaysia and Nigeria.
- Successfully recovered funds in 15+ audits.

Stage and Publications Specialist, International Meetings, Rotary International
May 2008 – June 2011

- Managed publications in 6 languages, for 3 annual Rotary meetings ranging from 1,500-25,000 attendees.
- Successfully negotiated and set deadlines with teams across the organization: Gathered data and reviews/approvals needed from respective groups, created comprehensive and user-friendly documents, and met budgetary, logistic, and archiving responsibility.
- Created visual graphics for 2 annual Rotary meetings. Worked with dignitaries, community leaders, and volunteers on an individual basis to visualize speeches.