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Columbia, South Carolina

MORTEZA MALEKI

Full-Stack Data Scientist

Technically proficient and highly collaborative professional in engineering, analysis, visualization, and deploying applications of data in pharmaceuticals, financial, technological, and academic settings.

KEY COMPETENCIES

SQL • Pig • Hive • Hadoop • Spark • UiPath • Alteryx • R • Python • Tableau • Power BI • JavaScript • HTML • CSS
TidyVerse • Shiny • Scikit-Learn • PyTorch • TensorFlow • MLOps • Django • d3 • ReactJS • NodeJS • AngularJS • Docker

PROFESSIONAL EXPERIENCE

PricewaterhouseCoopers (PwC), Columbia, SC

2021 - present

Senior Associate - Advanced Data Analytics

- Managed engagement projects and maintained professional momentum with clients to ensure highest possible tech delivery
- Advised Fortune 500 companies with their data automation and data analytics pipelines to optimize efficiency and quality
- Developed meaningful professional relationship with clients resulting in extension of engagements and higher revenue

Experienced Associate - Advanced Data Analytics

- Built powerful data apps, web pages, interactive visualizations, and insightful web content using JS, html, CSS, shiny, Django
- Provided meaningful recommendations to clients based on advanced analysis of data and powerful visualization & reporting
- Implemented ML techniques such as random forest, regression, and deep learning to build predictive models in R & Python

Associate - Advanced Data Analytics

- Executed advanced data analytics models using deep learning and NLP along with front-end development of results & reports
- Administered data pipeline execution by wrangling data using alteryx and visualizing data using tableau & power BI
- Acquired all firm sponsored knowledge and skill badges & constantly engaged in upskilling and learning opportunities

Nephron Pharmaceuticals Corporation, West Columbia, SC

2018 - 2020

Associate Data Scientist

- Processed and analyzed manufacturing, internal, and sales data to optimize profit and production using R, Python, SQL
- Managed Power BI dashboards for project management in collaboration with marketing, regulatory, and R&D departments
- Assisted in data storage, collection, and importation from manufacturing machines or CRM software to database and software

University of South Carolina, Columbia, SC

2015 - 2017

Research Assistant

- Acquired, computed, and analyzed crystallographic data using advanced computing software such as SADABS and ORTEP
- Administered instructing college level courses to high performing students by developing, teaching, and testing content
- Executed more than 200 chemical reactions in order to achieve molecular transformation & catalyst synthesis

PROJECTS

Factors Impacting Compliance to Mandates (Collaboration between GA Tech & MIT & NYU Researchers)

2021

- Analyzed variables impacting people's decision to comply with governmental mandates in time of pandemic
- Utilized R for data cleaning & advanced regression analysis, Python for data manipulation, and Tableau for data visualization

Intelligent Gamified Approach to Vaccine Promotion (Collaboration between GA Tech & UofSC Researchers)

2021

- Implemented multiple linear regression, clustering, and matching to identify causality between variables
- Performed advanced imputation methods to account for missing values in the survey dataset

Misinformation on Mobile Instant Messengers (Collaboration between GA Tech & MIT Researchers)

2021

- Investigated survey responses in Myanmar & India to various reactions to misinformation on MIMs
- Employed Instrumental Variables method to identify and measure causality on impact of misinformation on belief creation

EDUCATION

Master of Science, Analytics, Georgia Tech, Atlanta, GA

2020 - 2022

Micromasters, Data, Economics, and Development Policy, MIT, Cambridge, MA

2018 - 2020

Master of Science, Computational Inorganic Chemistry, University of South Carolina, Columbia, SC

2015 - 2017

CERTIFICATIONS

Business Analytics Badge (PwC)

Data Analytics Badge (PwC)

Artificial Intelligence Badge (PwC)