Kristen McIntyre

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Professional Summary

Self-motivated Data Scientist and accomplished Project Manager with a strong background in data analysis, machine learning, and public policy. Focused, dependable, and able to quickly master new concepts and technologies. Well-developed skills in:

- Python Programming
- Machine Learning (classification & regression)
- Communicate complicated ideas clearly and precisely

- Data Visualization (matplotlib, Seaborn)
- Qualitative & Quantitative Data Analysis
- Manage multiple projects with conflicting priorities and deadlines

Technical Skills

Extensive technical proficiency covering a wide range of applications, languages and platforms, including: Adobe Creative Suite, Amazon Web Services (EC2, RDS, S3), Anaconda, Git, GitHub, HTML, Jupyter Notebooks, MySQL, Python, R, SQL, Vim, WordPress

Notable Projects

CORE CONTRIBUTOR, YELLOWBRICK   FEBRUARY 2018 TO PRESENT
- An open source, pure Python project that extends the scikit-learn API with visual analysis and diagnostic tools that allow data scientists to steer the model selection process.

CAPSTONE PROJECT, "APPLYING MACHINE LEARNING TO SENSOR DATA"   JULY 2017
- Team project using Raspberry Pi and other devices to collect sensor data from university classroom. After wrangling the data, I built supervised classification and regression models to predict the room's occupancy.

Professional Experience

DISTRICT DATA LABS   WASHINGTON, DC
DATA SCIENCE CONSULTANT   OCTOBER 2017 TO PRESENT
- Ingest and wrangle structured and unstructured data, including writing Python scripts, calling APIs and writing SQL queries on a variety of platforms.
- Utilize tools, such as Tableau and Jupyter Notebooks, to create compelling static and interactive visualizations to effectively communicate analysis and findings with team members and clients.
- Review documentation and facilitate meetings to gather business requirements, current data architecture, determine gaps, identify improvement opportunities and drive implementation.

GEORGETOWN UNIVERSITY   WASHINGTON, DC
DATA SCIENCE TEACHING ASSISTANT   AUGUST 2017 TO PRESENT
- Assist students in-person and via email with questions regarding coursework and team projects.

- Guide students during hands-on lab assignments in the following courses: Data Ingestion and Wrangling, Machine Learning, Software Engineering for Data, Statistics, Visual Analytics
- Update lab assignments and in-class coding workshops stored in the program's GitHub repository.

ATLANTIC DOMINION SOLUTIONS   WASHINGTON, DC
DATA SCIENCE CONSULTANT   FEBRUARY 2018 TO JULY 2018
- Wrote Python scripts to automate web scraping, data wrangling, and storage of unstructured and structured data in AWS (EC2, RDS, S3).
- Utilized tools and packages, such as Jupyter Notebooks and Seaborn, to quickly and expertly generate compelling, interactive visualizations from diverse data sources.

Education

GEORGETOWN UNIVERSITY   WASHINGTON, DC
CERTIFICATE, DATA SCIENCE   JULY 2017
Coursework: Applied Data Science, Data Ingestion and Wrangling, Data Sources and Storage, Foundations of Data Science and Data Analytics, Machine Learning, Software Engineering for Data, Statistics, Visual Analytics

INDIANA UNIVERSITY   BLOOMINGTON, IN
MPA, School of Public and Environmental Affairs   JUNE 2010
MA, The Russian and East European Institute
Related coursework: Civil Society and Public Policy, Cost-Benefit Analysis of Public and Environmental Policies, Data Analysis and Modeling for Public Affairs, Energy Policy, Law and Public Affairs, Law, Crime & Justice in Russia, Post-Soviet Politics, Public Finance and Budgeting, Public Program Evaluation, Russian and Soviet Foreign Policy, Statistical Analysis For Effective Decision Making

Professional Development

DATA SCIENTIST WITH PYTHON CAREER TRACK | DATACAMP   JULY 2018
- This certificate program included 22 interactive Python courses, from data ingestion and wrangling to deep learning with Keras and machine learning with scikit-learn.

QUERYING WITH TRANSACT-SQL | EDX   DECEMBER 2016
- Created by Microsoft, a five-week course teaching how to use Transact-SQL to query data from a database, including key concepts and syntax to building complex transactional logic.

SQL WORKSHOP | GENERAL ASSEMBLY   OCTOBER 2016
- A combination of lecture and in-class exercises teaching the fundamentals of using SQL to query data.

References Available Upon Request