Thanh Ngo

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Data Analytics Essentials

Issued by: Coursera

Authorized by: IBM

Issued to: Trí Thanh Ngô

Issued on: 18 December 2023

Description

This badge earner has demonstrated a foundational knowledge of Data Analytics. The individual can explain what is Data Analytics, list the key tools and technologies within the data ecosystem, and has a conceptual understanding of the data analysis lifecycle. The badge earner is also able to describe the technical and soft skills required to become a successful data analyst.
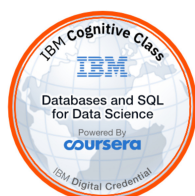
Python for Data Science and AI

Issued by: Coursera

Authorized by: IBM

Issued to: Trí Thanh Ngô

Issued on: 18 December 2023

Description

This badge earner has the core skills in Python such as critical data structures, programming fundamentals and experience with core libraries for data science. They can apply this knowledge to work with data and develop applications for data science. The individual also has sufficient Python knowledge to work with Python libraries.

Databases and SQL for Data Science

Issued by: Coursera

Authorized by: IBM

Issued to: Trí Thanh Ngô

Issued on: 19 December 2023

Description

This badge earner understands relational database concepts, can construct and execute SQL queries, and has demonstrated hands-on experience accessing data from databases using Python-based Data Science tools like Jupyter notebooks.

Data Science Orientation

Issued by: Coursera

Authorized by: IBM

Issued to: Trí Thanh Ngô

Issued on: 20 December 2023

Description

This badge earner has a good understanding of why data science, artificial intelligence (AI) and machine learning are revolutionizing the way people do business and research around the world. They have general knowledge on what data science is today.
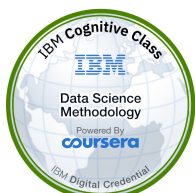
Tools for Data Science V2

Issued by: Coursera

Authorized by: IBM

Issued to: Trí Thanh Ngô

Issued on: 20 December 2023

Description

This credential earner is able to use Jupyter Notebooks including its features and tools used by R Programmers including RStudio IDE. The earner understands how to use various data science and data visualization tools. The individual is familiar with IBM Watson Studio including its features and capabilities, and can create and share a Jupyter Notebook.

Data Science Methodology

Issued by: Coursera

Authorized by: IBM

Issued to: Trí Thanh Ngô

Issued on: 20 December 2023

Description

This badge earner has demonstrated a thorough understanding of the different stages that constitute the data science methodology, which is instrumental to solving any data science problem.

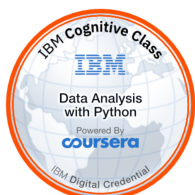## Python Project for Data Science

Issued by: Coursera

Authorized by: IBM

Issued to: Trí Thanh Ngô

Issued on: 21 December 2023

Description

This badge earner demonstrates foundational Python skills for working with data. This includes: understanding the role of a Data Scientist / Data Analyst; applying Python fundamentals, working with Python data structures, and working with data in Python; and how to build a dashboard using Python and popular Python libraries using Jupyter notebook.
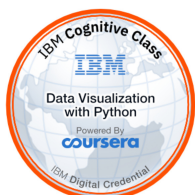
Data Analysis with Python

Issued by: Coursera

Authorized by: IBM

Issued to: Trí Thanh Ngô

Issued on: 21 December 2023

Description

This badge earner has the core skills in Data Analysis using Python. They can readily clean, visualize and summarize data using Pandas. Using Scikit-learn, the earner can develop Data Pipelines, construct Machine learning models for Regression and evaluate these models.

Data Visualization with Python

Issued by: Coursera

Authorized by: IBM

Issued to: Trí Thanh Ngô

Issued on: 21 December 2023

Description

This badge earner has a good understanding of what data visualization is, uses of data visualization, and best practices when creating plots and visuals. The individual has the skills to use different Python Libraries, mainly Matplotlib and Seaborn to generate different types of visualization tools such as line plots, scatter plots, bubble plots, area plots, histograms, and bar charts. The earner is able to use the Folium library to visualize geospatial data and to create choropleth maps.

Machine Learning with Python

Issued by: Coursera

Authorized by: IBM

Issued to: Trí Thanh Ngô

Issued on: 21 December 2023

Description

The badge earner has demonstrated a good understanding and application of machine learning (ML) including when to use different ML techniques such as regression, classification, clustering and recommender systems. The individual has acquired the skills to use different machine learning libraries in Python, mainly Scikit-learn and Scipy, to generate and apply different types of ML algorithms such as decision trees, logistic regression, k-means, KNN, DBSCCAN, SVM and hierarchical clustering.

Applied Data Science Capstone

Issued by: Coursera

Authorized by: IBM

Issued to: Trí Thanh Ngô

Issued on: 22 December 2023

Description

The credential earner has demonstrated hands-on proficiency in applying Data Science concepts to a real world inspired challenge. The earner can follow the data science methodology involving problem definition, data collection, data wrangling, exploratory data analysis, data visualization, model development, and model evaluation. The individual has also demonstrated proficiency in documenting their work and preparing a full formal data science project report.