Anthony Inthavong . Jarvis Consulting

My name is Anthony Inthavong and I graduated from the University of Toronto in 2020, specializing in Machine Learning and Data Science with extensive experience in Programming and Algorithms. I am a versatile developer with a diverse skill set, having theoretical knowledge of computer science and machine learning, along with their practical applications. Through Jarvis, I have worked on a variety of unique projects utilizing Java 1.8, Maven, Linux/Bash, Git, Docker, and RDBMS. I am very eager to meet with Jarvis' clients and not only learn from them, but also demonstrate my skill set.

Skills

Proficient: Java, Python, Machine Learning and Data Science, Data Structures and Algorithms, Linux/Bash, RDBMS/SQL, Agile/Scrum, Git

Competent: JUnit 4, Mockito, Pandas, Numpy, SciPy, Scikit-learn, Test Driven Development (TDD)

Familiar: TensorFlow, R, Matlab, Flask, Spark, Google Cloud Platform (GCP)

Jarvis Projects

Project source code: https://github.com/jarviscanada/jarvis_data_eng_AnthonyInthavong

Cluster Monitor [GitHub]: Developed a Monitoring Agent within the Linux cluster to collect information such as hardware specifications and resource usage on nodes within the cluster. This Monitoring Agent contains a PostgreSQL Server installed within a Docker Container that collects information submitted via bash scripts installed on each node.

Core Java Apps [GitHub]:

- Twitter App: Developed Twitter API using CRD operations following a MVC architecture in Java 1.8. Followed Repository Design pattern to manage data flow by using DTO's and DAO. Spring Framework was implemented to manage object dependencies.
- JDBC App: This application is a demonstration of the DAO and Repository Design patterns being implemented using JDBC (Java Database Connectivity). Basic CRUD operations were implemented.
- Grep App: Implemented a simple grep application built using Java 1.8 and Java Stream API. The app searches for a regex text pattern recursively in a given directory and outputs the matched lines to files. This application was Dockerized for easy distribution.

Springboot App [GitHub]: Not Started

Python Data Analytics [GitHub]: Not Started

Hadoop [GitHub]: Not Started

Spark [GitHub]: Not Started

Cloud/DevOps [GitHub]: Not Started

Highlighted Projects

Covid ETL data pipeline and API [GitHub]: Basic ETL pipeline using Python, Pandas. Loaded into an SQLite database. Also, RESTFUL API built using Python's Flask.

Messenger DashBoard (Mandem) [GitHub]: Analytical Dashboard for quick interpretation of your text conversations from Facebook's messenger. A unique feature is using IBM Watson's Personality Insights API to summarize text into 5 main personality types. Developed backend data processing using Python, Pandas, SQLite, and NLTK (NLP library).

Professional Experiences

Data Engineer, Jarvis (2021-Present): Implemented various projects using tools and technologies such as Java 1.8, Maven, Linux/Bash, Git, Docker and RDBMS. Utilized collaboration and communication using Scrum and Agile by hosting daily meetings.

Teaching Assistant, University of Toronto School of Continuing Studies (2021-Present): A 24-week in-class intensive program focused on gaining technical programming skills in Excel, VBA, Python, R, JavaScript, SQL Databases,

Tableau, Big Data, and Machine Learning. Involves mentoring students through the code writing, debugging, designing phases.

Teaching and Researching Instructor, Robotno. 1 Education and Technology Inc. (2021-Present): Teach young children Python and programming skills. Research and develop material for future courses.

Private Tutor, Freelance (2020-Present): Taught subjects in Machine Learning, Computer Science, and Statistics at Master's and Undergraduate level.

Education

University of Toronto (2016-2020), Bachelor of Science specializing in Statistical Machine Learning and Data Science, Computer Science, Mathematics, and Statistics

Miscellaneous

- Google Cloud Platform (GCP) Big Data and Machine Learning Fundamentals (2020)
- Competitive gaming (League of Legends)