Sami Elkhayri.

Gaining insights from data one project at a time.

Thanks for stopping by.

I am a Data Scientist with extensive and varied software development experience.

HTML5 CSS3 JavaScript Git

More about Me

Data is my passion.

From the moment I learned of Data Science as a discipline and the feats that it is capable to accomplish using structured and unstructured data, I was hooked on the desire to make the career transition to a Data Science-focused career. My educational background, having attained two degrees, one in Mechanical Engineering and one in Computer Science, and my long career as a Senoior Software Developer at Davis & Henderson (recently acquired by Finastra) working with diverse languages, including Java, JavaScript, ASP, and XSLT, among others, have given me the right blend of technical and communication skills and experience to be able, in a short period of time, to become conversant in many

of the topics related to Data Science. My linguistic prowess and my communication abilities are much higher than average and, owing to the nature of my job as a Software Developer, those skills have jumped to the next level. If you are looking for a person with the passion to work with Data and the drive and determination to gain actionable insights, you can contact me at

selkhayri@gmail.com to discuss.

Technologies I use:

HTML5, CSS3, Git, Bootstrap, JavaScript, Web Services, Requirements Gathering, SDLC, Web Applications, Integration, SOA, Software Development Life Cycle (SDLC), Machine Learning, Object Oriented Design, Algorithms, Data Modeling, Big Data, Data Analysis, Research, Data Science, Tools & Technologies, XML, UML, Java Enterprise Edition, SQL, Java, JavaScript, R, COBOL, GIT, Crystal Reports, CSS3, Subversion, Microsoft Office, HTML5, Python, Microsoft Excel, Microsoft Word, Linux, MySQL, Microsoft PowerPoint, Windows, Microsoft SQL Server, Python (Programming Language), Pandas (Software)

Recent Projects

These are just a few of the projects I have collaborated on.

Investing Decisions With Big Data

Using Linear Regression on stock market metrics to predict whether the stock prices will rise or fall, and by how much. The Gaussian Model and the Poisson Model were used to generate predictions and then the accuracies of the predictions were compared to see which model provided better predictions.

Code

Predicting Occupancy using Ambient Conditions

Using Logistic Regression to predict the occupancy of a given space based on the ambient conditions, including measurements of heat, light, humidity, and carbon dioxide.

Code

Investment Decisions with Big Data - Part 2

This is a continuation of the Investment Decisions with Big Data project which used Logistic Regression to predict stock prices. This project, in addition to using the stock market data to make prediction, aims to analyse the effect of news articles on the rise and fall of stock prices. It employs Natural Language Processing to vectorize the articles and then use the vectorization to make stock market predictions based on the NLP analysis of the most recent article.

Code

Employment

TD Canada Trust

IT Developer II | 2017 - 2019

Davis & Henderson

Senior Software Developer | 2011 - 2016

Davis & Henderson

Software Developer | 2002 - 2011

Education

Carnegie Mellon University

Software Architecture Professional | 2012 - 2013

Western University

B.S. Computer Science | 1993 - 1997

Western University

B.S. Mechanical Engineering | 1990 - 1996

I'm available for work.

Actively contributing to new projects and seeking a full-time role in a fast-paced, agile environment. Get in touch!

Contact Me