William M. Chaudoin
Lexington, Kentucky 40505
Cell: (270) 299-6396
Email: willchaudoin@gmail.com
LinkedIn: linkedin.com/in/williamchaudoin
Github: Github.com/WilliamChaudoin

Expertise

To Whom It May Concern:

My name is William Chaudoin and I have expertise in advanced economics and data science. This includes experience analyzing and modifying large economic, finance, business, medical, or governmental datasets. Concerning any potential employment, I possess the necessary skills it takes to accomplish any task laid before me. Either by using already existing knowledge and experience or using my strong desire to learn to appropriately study, assess, and gather the needed expertise to accurately complete the assigned requirements. The following is a detailed explanation of my ability and what I offer to your firm.

I have expertise in various programs and programming languages like Microsoft Power BI, SAS, R/R Studio, STATA, SQL (SSAS, SSRS, Oracle, Azure SQL, IBM DB2, etc.), Microsoft Word, PowerPoint, Access, Windows PowerShell, Python, etc. I am a Microsoft Excel expert, as I can constructing queries using Power Query, use advanced formulas, functions, macros, and pivot tables for data analysis and automation, and for financial modeling. At this time, I'd like to reference the completion of the Microsoft Office Specialist: Excel 2019 Associate certification as outlined on my attached resume. Beyond that I also hold certifications covering SAS, R/RStudio, Python, SQL, Jupyter Notebooks, STATA, etc. such as the IBM Data Science Professional Certification and the Certificate in Economic Data Analytics.

Using statistical programs, I can create various models used in Data Science including several statistical tests. This consists of multiple different types of data models such as AR, MA, ARMA, VAR, ADL, ARCH, GARCH, etc. I am able to maximize their effectiveness in conjunction with my extensive statistical intelligence which I explain below. This will allow me to provide unique data indicators and visualizations to measure performance and expectations. At GitHub.com/WilliamChaudoin/Portfolio, there are documents demonstrating Machine Learning, statistical analysis, and programming languages. This repository is being constantly updated as I work on new projects related to personal research or through expanding my expertise through the completion of new certifications.

I have an extensive history of database utilization as I've trained with, updated, and managed multiple databases over my time at Robert Half International, McCloud Law Group, The Kroger Company, ProLogistix, Publisher's Printing, Eastern Kentucky University, Western Kentucky University, as a Project Lead, and through personal creation and optimization. With over 11 years of experience, I am well versed in database navigation, creation, mining, and other uses.

I've obtained specific skills through research connected to graduate-level Microeconomics and Macroeconomics, Managerial Economics, Econometrics, Mathematical Economics, Forecast Modeling, and other economic subfields. Due to my training in Econometrics, Forecast Modeling, and Mathematical Economics, I am a practical candidate to perform functions related to economic modeling, data and statistical analysis, data mining, market analysis, labor and capital allocations, predictive modeling, risk assessment, issues involving cross-sectional, time series, or panel data, and other operations.

Regarding my extensive statistical knowledge, this is in reference to study of Differential, Integral, and Vector Calculus alongside Linear Algebra, Linear and Nonlinear Regression Analysis, Nonparametric Statistics, Experimental Design, Discrete Mathematics, Applied Probability, and Statistical Inference. Essentially, I'm familiar with several types of functions, vectors and subspaces, matrix operations, routine confidence intervals and significance tests, residual analysis, quality control methods, and various modeling techniques.

Regards,
William Chaudoin