J. Rafael García

Software Development & Data Science

Results-driven developer with experience in statistical modeling and data analysis. Previous work includes implementing and analyzing appropriate low variability models to predict customer ratings, stock price trends, market volatilities, patients' life expectancy, among others. Able to create elegant visualizations and rigorous data analysis reports.

Education

2017-09 - 2021-05

B.A. (3): Statistics, Mathematics, and Computer Science

University of Wisconsin - Madison, Madison, WI

- GPA: 3.58
- Strong focus on artificial intelligence, data science, and statistical methods.
- Excelled in machine learning, data science, regression analysis, programming, and calculus coursework.
- Various machine learning and data analysis projects in fields such as biology, medicine, finance, and economics.

Work History

2019-10 - 2021-05

Software Developer

Division of Information Technology at UW Madison, Madison, WI

- Developed software applications for statistical modeling and graphic analysis to understand data and drive accurate insight. (R shiny and JS applications.)
- Revised, modularized, and updated old code bases to modern development standards, reducing operating costs and improving functionality.
- Developed programs from ground up using measured, market-focused approach to eliminate waste and streamline implementation cycle.

Contact

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Skills

R, SQL (sqlite3 & mysql), Python, Java, Javascript, HTML, CSS, XML, Bash, and LaTeX

●●●●● Excellent

SAS, C, C++

●●●○○ Good

Data Visualization (Ggplot2, Plotly, and other R & Python packages)

●●●●● Excellent

Machine Learning

●●●●● Excellent

React.js, Node.js, and Express.js

●●●●○ Very Good

Statistics & Mathematics

●●●●● Excellent

2019-08 - 2021-05

IT Helpdesk Representative

Division of Information Technology at UW Madison, Madison, WI

- Division's main tech support line providing support for various UW Madison's departments.
- Diagnosed hardware problems and fixed faults or contacted appropriate repair service.
- Patched software and installed new versions to eliminate security problems and to protect data.
- Broke down and evaluated user problems using test scripts, personal expertise, and probing questions.

Accomplishments

- Over 10 Udemy & Pluralsight courses in programming and data science.
- Successful with using time series models (various GARCH + ARIMA models) for trading crypto currencies (25% profit in first week after implementation).
- Automated important enterprise systems using various scripting languages.
- Automated personal computers to perform various commands through voice.

Interests

Kaggle machine learning competitions

Nonparametric statistics

Time series forecasting

Convolutional Neural Networks

Crytpo currencies & Smart contracts

Combinatorics

Debugging

●●●●● Excellent

Modeling

●●●●● Excellent

Languages

English

●●●●● Excellent

Spanish

●●●●● Excellent

German (B1 Certified)

●●●○○ Good