**J. Rafael García**

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Description automatically generated](https://rafagarci.com) [Icon

Description automatically generated](https://github.com/rafagarci) [Icon

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Description automatically generated](https://www.linkedin.com/in/jrafael-garcia/)

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

**Contact**

### Address

Madison, WI, 53715

### Phone

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### 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.

# Skills

R, SQL (sqlite3 & mysql), Python, Java, Javascript, Docker, Bash, HTML,

CSS, XML, and LaTeX

Excellent

SAS, C, C++

Good

# Work History

Data Visualization (Ggplot2, Plotly, and other

### 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.

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.

Debugging

Modeling

# Languages

English

Excellent

Excellent

Excellent

# 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.

Spanish

Excellent German (B1 Certified)

Good

# Interests

Kaggle machine learning competitions Nonparametric statistics

Time series forecasting Convolutional Neural Networks Crytpo currencies & Smart contracts Combinatorics