

Francisco Gabriel Paniagua Guzman

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Education

Augustana University

B.A. in Mathematics and Anthropology

GPA: 3.5 / 4.0

Relevant Coursework: Calculus 1-3, Linear Algebra, Differential Equations.

Sioux Falls, SD

Expected May 2028

Skills

Programming Languages: Python, SQL, C, Lua

Technical Skills: Spreadsheet modeling using Excel, Linear Regression modeling, Data collection & cleaning (Python).

Mathematical Skills: Quantitative reasoning, modeling, abstraction

Languages: Fluent in English and Spanish

Experience

Mathematics Tutor

Augustana University Dept. of Mathematics

August 2025 – December 2025

Sioux Falls, SD

- Provided one-on-one for undergraduate mathematics courses
- Explained complex mathematical concepts clearly to students with diverse backgrounds
- Developed communication skills translating abstract ideas into practical understanding

Summer Teacher

Casa Hogar Foundation

May 2025- July 2025 & June 2026-July 2026

Salina Cruz, Oaxaca, Mexico

- Taught academic and enrichment material to students from underserved communities
- Designed adaptable lesson plans for varied learning levels
- Fostered critical thinking and student engagement

Projects

Coca-Cola stock price regression model and forecasting (available on fgpaniagua.com.mx)

- Used python to collect historical data on Coca-Cola's stock price and financial data from the SEC Edgar database
- Built a regression model to analyze the impact of different macroeconomic metrics on Coca-Cola's stock.

Additional Information

- Experience in data-driven problem solving and applied mathematics
- Strong cross-cultural communication skills
- Comfortable working independently and collaboratively
- Passion for education, community engagement, and mathematical learning