Gabriel Saco Alvarado

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EDUCATION

Universidad del Pacífico   **Lima, Peru**
BSc Economics   July 2021 – Expected July 2026
- o Specializing in Machine Learning applied to finance to optimize decision-making through predictive analytics.
- o Ranked in the top 20% of my program, with a perfect score of 20 in my Machine Learning specialization to date.
- o Conducted data-driven econometric research into financial markets, consumer behavior and industry competition.

University of London – London School of Economics   **Lima, Peru**
BSc Economics and Finance   January 2024 – Expected July 2026
- o Selected for this dual degree program with the London School of Economics (7th best Economics program worldwide) from over 900 students, through a process evaluating academic excellence and interview performance.
- o Achieved First Class Honours (the highest distinction attainable in the English grading system).

Relevant Extracurricular Courses: Communication and Influence, Leadership, Creative Transformation

VOLUNTEER WORK

180 Degrees Consulting (180DC) – World's largest consultancy for social organizations   **Lima, Peru**
Analytics Consultant   June 2024 - Present
- o Collaborated with a multidisciplinary team to enhance operational efficiency for Practimatch, an AI-driven startup.
- o Automated 3 critical workflows using Python, resulting in 100+ hours of monthly time savings for our client.

CERTIFICATIONS

Financial Engineering and Risk Management Specialization   **Lima, Perú**
Columbia University Online   March 2024 – Expected December 2024
- o Priced complex derivatives, using advanced models like Black-Scholes and multi-period Binomial.
- o Constructed optimized portfolios through Mean-Variance Analysis, Capital Asset Pricing Model and Value at Risk.
- o Performed precise model calibration in Excel for fixed income derivatives using Black-Derman-Toy (BDT) models.

Finance in Google Sheets Certification   **Lima, Perú**
DataCamp   July 2024 – November 2024
- o Developed an interactive graphical dashboard in Google Sheets to facilitate real-time tracking of financial assets.
- o Mastered financial modeling techniques for effective cash flow, investment and retirement savings forecasting.

Data Scientist Certification   **Lima, Perú**
DataCamp   January 2024 – October 2024
- o Completed 90+ hours career track, mastering Data Analysis, Experimental Design and Machine Learning models.
- o Developed 7 real-world projects in Python and R, providing actionable insights based on in-depth data analysis.

IELTS C1 Certification   **Lima, Perú**
IELTS – British Council   March 2023
- o Achieved an overall IELTS Band 7.0 demonstrating advanced English proficiency.

SKILLS

- **Advanced Python:** Expertise in data analysis, predictive modeling and visualization using Pandas, Seaborn and Matplotlib.
- **Advanced R:** Proficient in statistical analysis, hypothesis testing and creating data-driven visualizations.
- **Intermediate Excel:** Proficient in Excel worksheets and Power Query for data analysis and manipulation.

ADDITIONAL INFORMATION

- **Blog:** Author of a blog dedicated to sharing knowledge on data analytics, driven by a passion for the revolution of predictive methods in financial areas.
- **Interests**: Passionate about the transformative role of machine learning in finance. I believe in making financial decisions grounded in statistical and predictive analysis, rather than relying on surface-level patterns. Check my website and my blog.

REFERENCES

Alejandro Novoa Carpio	Manuel Barrón Ayllón
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