

ALEJANDRO ARIAS GÓMEZ

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EDUCATION

UNIVERSIDAD AUTÓNOMA DE MADRID (Madrid, Spain)

Cumulative GPA: 8.0/10

B.Sc. in Mathematics, B.Eng. in Software Engineering

Sep 2020 - Jun 2025

Relevant Coursework: Linear Algebra, Mathematical Analysis, Statistics, Artificial Intelligence, Operating Systems, Computer Networks, Software Engineering.

Activities and Societies: Class Delegate, UAM Rugby Society.

UNIVERSITY OF WARWICK (Coventry, England)

Cumulative GPA: 67/100

B.Sc. in Mathematics, B.Eng. in Software Engineering

Sep 2023 - Jun 2024

Relevant Coursework: Advanced Algebra, Topology, Statistical Modelling, Advanced Databases, Project Management, Cyber Security.

Activities and Societies: Warwick Spanish Society, Warwick Statistics Society.

ESCUELAS PIAS DE SAN FERNANDO (Madrid, Spain)

Cumulative GPA: 10/10

Baccalaureate Degree

Sep 2018 - Jun 2020

Relevant Coursework: Obtained a grade of 13.9/14 in EVAU, Madrid's access to university exam. For that I received the UAM Young Talent Award 2020.

EXPERIENCE

MORNINGSTAR DBRS (Madrid, Spain)

Sep 2025 - Present

Quantitative Analyst, Structured Finance

- Built and maintained cash flow models for structured products (NPL, RMBS, CMBS, ABS).
- Performed quantitative risk analysis on securitized products (default, recovery, and correlation modeling).
- Applied mathematical frameworks, statistical modeling, and numerical methods to analyze default, recovery, and correlation dynamics.

QALEON (Madrid, Spain)

Sep 2024 - Feb 2025

Data Scientist Intern

- Processed and structured large datasets, ensuring data quality and accuracy, and facilitated more reliable and insightful analysis.
- Incorporated machine learning techniques into the ETL process, enabling dynamic adaptation to emerging patterns. Developed AI algorithms to enhance trend identification, forecasting, and anomaly detection.
- Designed and implemented software solutions for clients, tailoring applications to address their requirements.

EXTRACURRICULAR

VOLUNTEER OF CISV MADRID BOARD (Madrid, Spain)

Sep 2020 – Present

Trainer for Educational Development

- Trained and developed educational programs for 16 to 17-year-old participants, preparing them to perform effectively in CISV activities as Junior Counselors.
- Organized and coordinated activities for the organization, ensuring alignment with its educational values: Human Rights, Sustainable Development, Diversity and Conflict and Resolution.

Risk Manager

Nov 2022 - Present

- Managed risk assessments and mitigation strategies in high-pressure situations, in order to maintain operational stability and minimize potential disruptions.
- Assessed the suitability of new candidates for a role they were to perform, ensuring proper training was provided, resulting in effective performance and successful achievement of their responsibilities.

SKILLS AND INTERESTS

- **Technical Skills:** C, JavaScript, Python, Java, MATLAB, R, SQL Database.
- **Languages:** Spanish (native), English (fluent, CPE C2 Title), German (basic).
- **Interests:** Rugby, Skiing, Soccer, Photography, Travelling, Logical Puzzles, Web Development.
- **Community Service:** School Tutoring.