

Rodrigo Díaz Muñoz

Mathematician

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About Me

Highly analytical and results-driven mathematician specializing in computational mathematics and data science. Experienced in developing data-driven solutions and engineering robust systems for web platforms, automation, and financial analysis. Proficient in programming, statistical modeling, and engineering tools, with a strong ability to adapt and contribute to complex technical projects.

Education

Complutense University of Madrid

Bachelor's Degree in Mathematics (Specialization in Computational Mathematics)

2021–2025

IBM Professional Certificate in Data Engineering

- ETL & ELT Processes
- Apache Kafka, Apache Airflow
- Cassandra & MongoDB
- SQL, MySQL, PostgreSQL
- Python (Pandas, Numpy, sqlite3)
- Data Pipelines and Database Design (ERD)

Escuela Teresiana, Las Palmas

High-School Diploma (grade 9.93/10)

2019–2021

Professional Experience

Web Programmer

Zurich Insurance (July/August 2024 – Present)

- Developing and maintaining internal and external web platforms.
- Ensuring high performance, security, and user-friendly interfaces.

Key Skills Acquired:

- Angular and TypeScript

- Python Backend (Pandas, Numpy) with SQL and Databricks
- REST APIs and general API integration
- C# and Azure Infrastructure (DevOps, Azure Ecosystem)

Finance Intern

NTT Data (3 Months)

- Automated financial processes using Bash scripting.
- Solved complex problems in finance-related software solutions.

Key Skills Acquired:

- Bash and Murex
- SQL and AWS

Search Engineer

Appen (6 Months)

- Improved browser efficiency using advanced search techniques.
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Skills and Aptitudes

- Application of mathematics to computing.
 - Quick adaptability to company needs and new technologies.
 - Expertise in data engineering and analysis.
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Languages

- **Spanish:** Native
 - **English:** Advanced
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Recommendations

- **Statistics Professor:** Recommends me for my exceptional analytical thinking, problem-solving abilities, and dedication to mastering complex mathematical concepts.
- **Probability Professor:** Highlights my ability to apply theoretical concepts to practical problems and my consistent performance in advanced probability courses.

References

Available upon request.