

# SIMONE DINATO

Undergraduate BA Computer Science

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## ABOUT ME

**Technical Skills:** C/C++, R, Python, Java, PostgreSQL, MySQL, PHP, HTML, CSS, VB

**Interests:** Artificial Intelligence, Finance, Machine Learning, Data Analysis, Economics, Personal Development.

**Languages:** Italian (native), English (fluent), Spanish (elementary)

## WORK EXPERIENCE

### RPA Developer Intern

PwC, Milan

🔧 UiPath VB .NET

📅 2024

- Enhanced existing bots for optimal performance, reducing transaction time from 2 minutes to 30 seconds in one case, dramatically boosting efficiency.
- Developed a project that automated workflows by integrating Appian, UiPath, and Alteryx, saving over 460 hours through seamless API-driven engagement processing and database updates.
- Conducted research on the benefits of Hyperautomation: incorporating Artificial Intelligence and Machine Learning into Robotic Process Automation, identifying opportunities for new projects, and streamlining existing ones.
- Managed and maintained existing robots to enhance clarity and performance, while leading client calls to discuss further updates and optimizations.

### IT Analyst Intern

Stevanato Group S.P.A., Padua

🔧 Microsoft SQL

📅 2023

- Reduced SQL procedure execution time from 10 minutes to just 3 seconds, achieving a 99.6% computational efficiency boost.
- Leveraged LIMS for complex data queries, streamlining data retrieval and analysis processes.
- Collaborated with the production team to integrate LIMS with Microsoft SQL, ensuring real-time data synchronization.
- Designed and implemented custom SQL scripts to automate data extraction from LIMS, reducing manual intervention.

## EDUCATION

### Master's Degree in Data Science

Fordham University, New York

📊 /4.0 GPA

📅 2025 - Now

### Bachelor's Degree in Computer Science

Ca'Foscari University, Venice

📊 25/30 GPA C++ Python SQL R Java

📅 2021 - Now

- Relevant courses: Data and Web Mining, Calculus, Data Analysis, Predictive Analysis, Linear Algebra, Algorithms and Data Structures, Probability and Statistics, Software Engineering, DataBases.
- Activities: Consultant student association JEVE - Junior Enterprise Ca' Foscari Venezia.

## RELEVANT PROJECTS

### EURResearchHub - 2023

University course project

🔧 Python Flask HTML CSS PostgreSQL JavaScript

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- Incorporated advanced authentication routes to safeguard user data and ensure secure access.
- Utilized structured database models for seamless data management and retrieval.

### Json Parser - 2023

University course project

🔧 C++

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- Developed a robust JSON parser in C++ capable of parsing complex JSON structures.
- Ensured type-safety and flexibility by designing a JsonValue class that can seamlessly handle different JSON data types, including strings, numbers, objects, and arrays.

### Stock Forecasting - 2023

University course project

🔧 Python

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- Extracted and engineered stock data from Yahoo Finance API, performing feature engineering and exploratory analysis to uncover patterns and remove correlations.
- Applied advanced supervised learning techniques, including random forests, neural networks, and regression models, to predict stock buying convenience over 5, 10, and 30-day periods.