SIMONE DINATO

Undergraduate BA Computer Science

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ABOUT ME

Technical Skills: C/C++, R, Phyton, Java, PostgreSQL, MySQL, PHP, HTML, CSS
Interests: Data Analysis, Trading, Web design, UI/UX, Emotional Intelligence, Personal Development.
Languages: Italian (native), English (fluent), Spanish (elementary)

WORK EXPERIENCE

IT Analyst Intern   **Nuova Ompi S.R.L.**, Padua
`Microsoft SQL` `LIMS` `Decisyon`   July 2023 – Sep 2023

- Reduced SQL procedure execution time from 10 minutes to just 3 seconds, achieving a 99.6% computational efficiency boost.
- Spearheaded the integration of data monitors in production areas, paving the way for advanced statistical analysis with Decisyon.
- Enhanced device tracking in the production line, slashing remote access times.
- 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.

IT Consultant   **JEVE - Junior Enterprise of Venice**, Venice
`PHP` `CSS` `HTML` `WORDPRESS` `PYTHON`   May 2022 – Mar 2023

- Led data analysis for SMIs, leveraging vast internal and external datasets.
- Developed and secured web applications, ensuring robust cybersecurity measures.
- Automated key processes, mitigating operational and IT risks. (e.g., automated email profiling, web scraping for lead generation)
- Utilized Python for data processing and analysis, extracting valuable insights.
- Implemented WordPress plugins to enhance website functionality and user experience.

EDUCATION

Bachelor's degree in Computer Science   **Ca'Foscari University of Venice**
 25/30 GPA   Sept 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

EUResearchHub - 2023   **University course project**
`Python` `HTML` `HTML` `CSS` `MySQL`   simonedinato/EUResearchHub

- Leveraged the robust Flask framework to deliver a lightweight and modular web application experience.
- Incorporated advanced authentication routes to safeguard user data and ensure secure access.
- Utilized structured database models for seamless data management and retrieval.
- Created a dedicated utility module to streamline common tasks and enhance code reusability.

Json Parser - 2023   **University course project**
`C++`   simonedinato/CT0442-JsonParser

- Developed a robust JSON parser in C++ capable of parsing complex JSON structures.
- Implemented a comprehensive suite of overloaded operators, including assignment, equality, inequality, and array access operators, to facilitate intuitive JSON object manipulation.
- Enhanced the parser's efficiency by utilizing C++ Standard Library features, such as std::string, std::vector, and std::map.
- Ensured type-safety and flexibility by designing a JsonValue class that can seamlessly handle different JSON data types, including strings, numbers, objects, and arrays.
- Incorporated error-handling mechanisms to detect and manage parsing errors, providing informative feedback to users.