Nicolas Marsh

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Skills

- Java | JavaScript | TypeScript | Python | C | C++ | Spring | OOP | TDD | MSSQL | Angular| Haskell | jQuery | Git
- Microservices | Distributed Systems | Scrum | Supervised Machine Learning
- Frontend | Backend | Full-Stack | English, Spanish − *All professional proficiency or above* | Italian - *Intermediate level*

Education

Software Engineer	**Universidad Blas Pascal**	*Córdoba, Córdoba, ARG*	**2017 - 2023**
Supervised Machine Learning: Regression and Classification	**Stanford Online, Deeplearning.AI (COURSERA)**	*Online*	**2023**
100 Days of Code: The Complete Python Pro Bootcamp for 2023	**UDEMY**	*Online*	**2023**

Projects

- **COVID-19 Vaccination Follow-up Portal:** Portal for tracking, distribution and administration of vaccines for the Ministry of Health of Argentina, using Angular 14, Spring, and SQL Server, implementing SOAP and REST services for provinces and laboratories, and utilizing the DAO pattern for database connectivity. It includes user authentication, dashboard with quantified system information, notifications process, batch management and consultation, citizen vaccination consultation, etc. Resulting in a highly responsive and internationalized application in Spanish and English. Link to Github project. **(2023)**

- **Breast cancer risk assessment application:** Web app that generates risk assessments based on a comprehensive analysis of the Wisconsin Breast Cancer dataset, utilizing a variety of ML algorithms using Python and Jupyter Notebooks to determine the best performing model for detecting cancerous cells in patients. Link to Github project. **(2023)**

- **C code parser using ANTLR:** Implementing techniques such as pattern recognition, syntax and semantic analysis, and optimization to generate intermediate and optimized versions of the code while detecting and reporting errors, utilizing Java and Maven for project management. Link to Github project. **(2022)**

- **REST API using Python and Django/Django-REST-Framework:** The API allows users to create recipes with title, price, times, ingredients, and tags, and includes user authentication, object creation, filtering and sorting, and multimedia file upload handling. Utilizing Docker and implementing TDD process with Django Test Framework and Postgres. Link to Github project. **(2022)**

Others

- **Cambridge English: First (FCE)Cambridge English: First (FCE) - University of Cambridge**
- **Corso di Lingua e Cultura ItalianaCorso di Lingua e Cultura Italiana - Università di Camerino**