






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

Projects

- **COVID-19 Vaccination Follow-up Portal:** Argentina's ministry of health system follow-up portal, using Angular 14, Spring, and SQL Server, implementing SOAP and REST services for provinces and laboratories, and utilizing the DAO pattern for database connectivity. Successfully delivered all required functionalities, including user authentication, dashboard with quantified system information, notification process, batch management and consultation, and citizen vaccination consultation, 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 Italiana Corso di Lingua e Cultura Italiana - Università di Camerino