

Augusto Marco Fungo

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EDUCATION

Universidad Nacional de Rio Cuarto

Bachelors of computer science

Rio Cuarto, Córdoba, Argentina

02/2019 - 05/2025

Universidad Nacional de Rio Cuarto

Minor in computer science

Rio Cuarto, Córdoba, Argentina

02/2019 - 11/2023

TECHNICAL SKILLS

Programming Languages: Java, Python, C, Ruby, Haskell, Bash, JavaScript, HTML

Libraries and Tools: JUnit, Mockito, Pytest, Jqwik, Pandas, Numpy, gRPC, Flask, Git, Docker, Makefile, Gherkin, Ruby on Rails, JSON, SQL, Gradle, Maven

Design Patterns: TDD, BDD, Strategy, Observer, Factory, Decorator, Command, API, MVC

WORK EXPERIENCE

Student Teaching Assistant

Universidad Nacional de Rio Cuarto, Córdoba, Argentina

06/2021 - 06/2025

- Selected as a top 1 teaching assistant for two years, earning a paid position based on performance and merit.
- Taught and assisted in several computer science courses, including Introduction to Algorithms, Data Structures, Computer Organization, and Advanced Algorithms.
- Provided academic support to students, prepared learning materials, and contributed to course planning.

Clerk

Mas soluciones, Córdoba, Argentina

09/2021 - 03/2025

- Managed communication with suppliers to collect invoices and ensure accurate financial records.
- Handled financial balancing and bookkeeping tasks, maintaining up-to-date records.
- Organized and stored all administrative documents, ensuring efficient data management.

PROJECTS

- **ERP-style Administrative Software**, Developed a financial management system to handle company finances, integrating data from AFIP for automated balance calculations. The software enabled migration from Excel spreadsheets to a structured database, improving accuracy and efficiency in financial data management. [GitHub](#)
- **Enhancing jqwik with Automated Object Generation**, Improved the jqwik property-based testing library by integrating an automatic object generator based on Randoop. This enhancement allows for the automatic creation of complex test cases, improving testing efficiency and coverage. [JqwikOG](#) [RandoopOG](#)

EXTRACURRICULAR ACTIVITIES

- **Faculty government member** Faculty of exactas - 06/2023 - 06/2024
- **Departmental government member** Computer science departament - 06/2023 - 06/2024
- **Student volunteer** 2020 - 2024
 - RIO 2024
 - RIO 2023
 - JUPA - University open day
 - Social-community practice: Introducing the world of databases
- **Conferences** 2019 - 2025
 - RIO 2025
 - ECI 2023
 - RIO 2020
 - CACIC 2019
- **Courses** 2019 - 2025
 - Introduction to Input Grammar Fuzzing
 - Advances in Automatic Software Testing
 - Fuzzing for Compiler Testing
 - Advanced Data Structures
 - Modeling and Analyzing Concurrent Systems
 - Routing on the Space Internet
 - Software Testing

LANGUAGES

- **Spanish:** Native proficiency.
- **English:** Intermediate to Upper-Intermediate (B1-B2) – Strong oral communication, proficient writing, and excellent reading comprehension.