

MANUEL HERRERA

BACKEND / FULL-STACK SOFTWARE DEVELOPER

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Linkedin: <https://www.linkedin.com/in/manuelmhs1104/> | **Portfolio:** <https://manuelmhs.github.io/>

I am a Computer Science Bachelor's student at Universidad Nacional de Rosario (UNR), holding a 3-year technical degree in Computer Systems Analysis. I am a native Spanish speaker and hold a Cambridge First Certificate in English (FCE), B2 Level.

I am interested in learning new technologies, programming languages and development workflows.

EDUCATION

Systems Analyst (3-year technical degree) 2016 - 2019

Terciario N° 49 Cap. Gral J.J. de Urquiza

- Focused on the usage and implementation of information systems.
- Studied languages/technologies such as **HTML**, **PHP**, **JavaScript**, **MySQL**.
- **Frontend** and **backend** development, including **database** design and management.
- **Final project:** development of a stock and sales control system for a store, integrating frontend, backend and all learnt technologies.

Computer Science Bachelor 2020

UNR Universidad Nacional de Rosario, FCEIA

- **Theoretical foundations** of programming languages and computation, studying the logic and mathematics involved.
- Topics included **algorithm** analysis and design, computational complexity, **data structures**, operating systems, assembly language, parallel and distributed computing.
- Understanding and usage of **functional** and **imperative** programming paradigms.
- Extensive use of the **C language** through the development of medium-sized projects, learning to organize, document, program, test and compile code following good practices along the way. Additional experience with **Python**, **C++**, **Erlang**, **Haskell** or **Assembler**.
- Notable project: a **multithreaded client-server memcached CLI application**, implemented in C and Erlang.

SKILLS / TECHNOLOGIES

- C, C++, C#, Python, Haskell, Erlang, Assembler
- HTML, CSS, Jekyll, PHP, JavaScript, jQuery, Ajax
- MySQL
- Apache, Bash, Make, Git

PROJECTS

Code and documentation: <https://manuelmhs.github.io/> | <https://github.com/manuelmhs>

- Multithreaded TCP memcached server written in C, with a client in Erlang.
- Full-stack control system for a shop using HTML, PHP, JavaScript, MySQL.
- Pseudo-random word search generator CLI app written in C and Python.
- Hash table implementation in C used to build a personal contact list app.
- Various implementations of data structures and algorithms in C, Python and Haskell.