



HERNÁN MENDES GOUVEIA

PYTHON DEVELOPER
AND DATA SCIENCE STUDENT

CONTACT

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PROFESSIONAL PROFILE

Python developer with solid experience in process automation and web scraping, focused on building robust and efficient solutions for large-scale data handling. Currently pursuing a degree in Data Science, with a technical background in electronics. Seeking to contribute to projects that combine data scraping and analysis.

SKILLS

Programming Languages
Scraping and Automation
Backend
Databases
Cloud
Datos
Orchestration y DevOps
Version Control
Languages

Python, SQL, Bash, C, C++, JavaScript
Scrapy, BeautifulSoup, Selenium, Playwright, Appium
Django, Celery
MongoDB, PostgreSQL, Redis
Google Cloud Platform
Pandas, PySpark, Looker Studio
Airflow, Docker, Terraform
Git
Spanish (native), English (B2 - Cambridge First Certificate)

EXPERIENCE

PYTHON DEVELOPER. *Gregario* | Aug 2022 - Ongoing

- Web scrapers developed and deployed to automate data extraction from web and mobile platforms.
- Django, Celery, and Redis applied for asynchronous task management and backend services.
- PostgreSQL used for structured data storage and queries.
- Scrapers containerized using Docker to ensure reproducible development and production environments.
- Workflows orchestrated with Apache Airflow.
- Automation across different environments carried out using Selenium, Playwright, and Appium.
- Session management, proxy rotation, and anti-captcha strategies implemented to bypass site restrictions.

DATA ENGINEER. *BB Media* | Mar 2022 - Aug 2022

- Web scrapers built using BeautifulSoup, Selenium, Requests, and concurrent.futures.
- Social media data extracted and analyzed through consumption of public APIs (Twitter).
- MongoDB used as NoSQL database for efficient storage of semi-structured data.
- Large-scale data processing performed using PySpark.
- Data cleaning and normalization conducted using Pandas and regular expressions.

TEACHING ASSISTANT. *UTN FRH* | Mar 2020 - Mar 2022

- Theoretical-practical sessions planned and delivered for Programming I (C language).
- Practical assignments corrected and consultation classes supported.

RESEARCH INTERN - EMBEDDED SYSTEMS R&D GROUP. - *UTN FRH* | Mar 2019 - Feb 2021

- A graphical interface in Python designed and developed to simulate railway interlocking systems, presented at the CASE 2019 conference.
- Digital circuits documented and implemented in VHDL using the EDU-CIAA-FPGA platform.

EDUCATION

BACHELOR'S DEGREE IN DATA SCIENCE. *UNSaM* | 2024 - Ongoing

ELECTRONIC ENGINEERING (Partially completed, 21 out of 38 courses passed). *UTN* | 2018 - 2022

ELECTRONICS TECHNICIAN. *Colegio Parroquial Juan XXIII* | 2011 - 2017