

Mauricio Xavier

Advance Computer Engineering student - Systems Analyst

PROFILE

Dedicated Computer Engineering student on the cusp of completing my degree (87%). Solid foundation in engineering principles gained through academic journey, developing problem-solving skills, and cultivating the ability to collaborate effectively in team environments. Ready to tackle challenges in web development and dive into diverse domains within the field of software engineering.

EXPERIENCE

Acquired knowledge through degree courses and practice activities related to Databases, Computer Networking, Operating Systems, Cryptography and Functional and Logic Programming, between others. Modeling, analysis and implementation of real world cases using Object-oriented programming paradigm. Study of the analysis and algorithm design techniques.

Completed introductory courses about Software Business, Semantic Web, High Performance Computer (HPC), Natural Language Process and Advanced Techniques for Information Systems Management, exploring distributed systems architectures, transactional systems, NoSQL and database design process concepts. Completed projects related to Data Integration and Data Warehouse Systems Design and Implementation courses.

Analyst, UI/UX Designer and Tester

Software Engineering Project

Facultad de Ingeniería, 2020

15-week software project as part of a 12-member team, utilizing Scrum Methodology for the development of a web application implemented using Ruby on Rails in the backend and React the frontend, integrating some Google functionalities.

- In the **Analyst** role, as part of a reduced group of teammates, we collectively took care of the whole survey of requirements for the desired system by working closely with the Product Owner. This involved documenting specifications and creating user stories for the implementation of functionalities by the development team.
- From my role as analyst, I also took place as **UI/UX Designer** of the project, assuming responsibility for the comprehensive design of the web application through the creation of high-fidelity mockups, validated by the Product Owner, and subsequently provided to the developers.
- As part of the **Testing** team, contributed to a defined verification flow through the team's plan, designing and executing functional system tests based on the acceptance criteria of functionalities in each sprint.

Java Developer

Programming Workshop

Facultad de Ingeniería, 2019

Incremental development (Analysis, Design, Implementation and Testing) of an educational management system (desktop and web app) implemented using mainly Java technologies, with a client/server and layered hybrid architecture.

EDUCATION

Computer Engineering: Facultad de Ingeniería UdelarR

2013 - Ongoing

English: Marlowe Institute

Rivera, 2007-2012

- Cambridge International Exam: B1 Preliminary 2012

Portuguese: Centro de Lenguas Extranjeras

Rivera, 2007-2009



Contact Details

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Knowledge/Skills

Algorithms and Data Structures

Databases

Computer Networking Fundamentals

Agile Methodologies - SCRUM

Systems Requirements Analysis

Data Management & Information Systems

Testing

Prototyping - UI/UX

Programming Languages

Python

JavaScript

HTML - CSS

Java

C++

SQL

Technologies, Work Tools

GIT

Trello, Slack

Draw.io, Figma

Languages

Spanish

English

Portuguese