Matias Agelvis

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Github: [Matias Agelvis](#) • Stackoverflow: [Matias Agelvis](#)

Summary

Highly skilled Front-End Developer with experience in creating responsive and visually appealing websites and web applications. Proficient in Next.js, Chakra, and React.js. Strong understanding of web design principles and best practices and a proven ability to optimize website performance. Passionate about creating and designing clean, modern, and mobile-friendly interfaces and is very eager to keep expanding his knowledge and skills in software development. Committed to staying current with the latest web development trends and technologies.

Programming Experience

Python • 2+ years of everyday use, experience with Pandas, Numpy, Jupyter, Google's OR-TOOLS, Keras and Tensorflow.

JavaScript • Over one year of experience developing the Kumigi avatar designer app and the browser extension Stellaid to find peer adjusted course ratings in Coursera.

C++ • Four years of experience, used it to create my thesis, a compiler, a virtual machine, and an assembler for a course. Also wrote OmegaInt, which is an easy to use arbitrarily sized Int implementation for C++.

Gnuplot • Able to make all sorts of plots, considerable experience in batch plotting and interfacing with LaTeX

MiniZinc • Experience doing constraint optimization, modelling discrete systems, and converting models from CP to MIP.

Bash • Avid user of Bash and Zsh in Linux and MacOS.

Also knowledgeable of SQL (Impala), React, C, Ruby, SML, Netlogo, LaTeX

Professional Experience

Front End Developer   03/2022 – 11/2022
RENYT Tech | Remote, Venezuela
- Created a blog from scratch, including the design and implementation of the layout and visual elements of the blog, using path dependent color schemes and other innovative features.
- Ensured that the blog was responsive, and that the UI was fully functional on all devices, including desktops, laptops, tablets, and smartphones.
- Tested all blog components across different browsers and devices with Storybook to ensure compatibility and fixed any issues that arose.
- Developed features such as navigation menus, forms, search functionality, and article filter using tags.
- Optimized speed and performance, including image optimization and minification of CSS and JavaScript files.
- Continuously monitored the website performance and made necessary changes to improve it.

Technologies used: Next.js | Chakra | React.js | TypeScript

Research Assistant   05/2017 – 07/2018
Universidad de los Andes, Nonlinear Dynamics Group of the | Merida, Venezuela
- Assisted a professor in conducting academic research, including the execution of research projects, conducting literature reviews, collecting and analyzing data, and preparing research papers.

Education

BSc. Physics   2018
Thesis: Suppression of Escape in Dynamical Networks
Universidad de los Andes (Merida, Venezuela)
Graduated with Cum Laude Honors

Courses

TensorFlow 2 for Deep Learning   **2021**
        Getting started with TensorFlow 2
        Customising your models with TensorFlow 2
        Probabilistic Deep Learning with TensorFlow 2

Modern Big Data Analysis with SQL   **2021**
        Foundations for Big Data Analysis with SQL
        Analyzing Big Data with SQL
        Managing Big Data in Clusters and Cloud Storage

Investment Management with Python and Machine Learning   **2021**
        Introduction to Portfolio Construction and Analysis with Python
        Advanced Portfolio Construction and Analysis with Python
        Python and Machine Learning for Asset Management
        Python and Machine-Learning for Asset Management with Alternative Data Sets

Algorithms   **2019**
        Divide and Conquer, Sorting and Searching, and Randomized Algorithms
        Graph Search, Shortest Paths, and Data Structures
        Greedy Algorithms, Minimum Spanning Trees, and Dynamic Programming
        Shortest Paths Revisited, NP-Complete Problems and What To Do About Them

A full list of followed coursed and certifications is available in my online resume.

Language Skills

Spanish   Native Speaker
English   Fluent (Score 100/120 in TOEFL).
French   Basic

References

Available upon request