DENNIS FIALLO

Computer Scientist

/dennis-fiallo
/dfiallo35
dfiallo35@gmail.com
+53 5848-1152

ABOUT ME

I am a Bachelor of Computer Science. I possess a strong passion for machine learning, artificial intelligence, and web development. Committed to staying up-to-date with the latest advancements and leveraging innovative tools, I am dedicated to collaborative teamwork. I excel in working with multidisciplinary teams to deliver high-quality software solutions, and I am committed to making a positive impact through exceptional software development.

EDUCATION

09/2019 – 01/2024 **Bachelor in Computer Science**
University of Havana
School of Math and Computer Science

- Good grades in most of the subjects of the course.
- Member of "Dynamic Systems Analysis" Research group.

Skills used: ARTIFICIAL INTELLIGENCE, MACHINE LEARNING, SOFTWARE ENGINEERING, DESIGN AND ANALYSIS OF ALGORITHMS, DATABASE SYSTEMS, DATA STRUCTURES AND ALGORITHMS, COMPILERS, COMPUTER ARCHITECTURE, DISTRIBUTED SYSTEMS, SIMULATION

09/2015 – 07/2018 **High School**
Vocational High School Institute of Exact Sciences Vladimir Ilich Lenin

- Top-performing student at the Vocational High School Institute of Exact Sciences Vladimir Ilich Lenin in Cuba.
- Strong aptitude for mathematics, science, and technology.

EXPERIENCE

09/2023 – present **Junior Backend Developer**
Avangenio
Development Department

- I have worked on international projects as a backend developer, primarily using FastAPI and AWS with a microservices architecture.
- I have worked on developing ERP systems using the Frappe framework.

Technologies used: PYTHON, JAVASCRIPT, FASTAPI, FRAPPE, POSTGRESSQL, AWS, SQL, HTML, POSTMAN

07/2022 – present **Freelancer**

- Developed and implemented software solutions for clients, including web applications, data analysis tools, and machine learning models.

Technologies used: PYTHON, DJANGO, FASTAPI, JAVASCRIPT, TYPESCRIPT, REACT, NEXT.JS, POSTGRESSQL, REDIS, DOCKER

06/2021 - 12/2021 **Internship**
SICMA
Development Department

- Completed a program on generating business documents with digital signature during my internship at SICMA, gaining practical experience with electronic signature software and ensuring secure and efficient document signing processes."

Technologies used: PYTHON, QT5

COLLABORATIVE AND PERSONAL PROJECTS

</> NikeWeb
Nike landing page. Built with React and Tailwind CSS for styling.

</> LouvreMuseum
Museum website with data management system for administrators, including a sales and loan system between museums, developed using Python with Django, SQLite, and HTML, CSS, and Javascript with the Bootstrap framework.

</> Skyrimdb
Project of a dummy Database system to store player and environment data and stats based in Python with Django, Sqlite and HTML, CSS and Javascript with Boostrap frame-work.

</> TagNetFS
A tag-based distributed file system implemented in Python using a distributed database built from scratch.

</> CausalFlow
Tool for the representation of causal graphs.

</> NDS
Turing complete programming language compiler using the Sly library, designed for simulating the development of nations.

</> Web Server
FTP server in C programming language.

</> Haskell Hidato
Generator and solver for the Hidato Sudoku game in functionalprogramming language Haskell.

</> medical-knowledge-discoverer
Knowledge discovery in medical documents using Machine Learning.

</> MusicaMuse (ongoing)
Private project for music generation using machine learning.

</> ESN (ongoing)
Research about the predictive power of Echo State Networks(ESN) for predicting chaotic time series.

LANGUAGES

Spanish C2 Proficient User | Mother tongue

English B2 Independent User

French A1 Basic User

SOFT SKILLS

• Teamwork • Easily Adaptable • Time management • Attention to details • Continuous learning

SKILLS

Programming and Scripting languages

- Python ●●●●●
- JavaScript ●●●●○
- TypeScript ●●●●○
- C# ●●●●○
- Assembly ●●●●○
- SQL ●●●●○
- C/C++ ●●●●○
- Prolog ●●●○○
- Haskell ●●●○○
- R ●●○○○

Frameworks, Tools and libraries

- FastApi ●●●●●
- Frappe/ERPNext ●●●●●
- Git/Github/GitLab/Bitbucket ●●●●●
- React ●●●●○
- Tailwind CSS ●●●●○
- Next.js ●●●●○
- Django ●●●●○
- PostgresSQL ●●●●○
- Docker ●●●●○
- Keras/Scikit-Learn ●●●●○

Markup languages

- Markdown ●●●●●
- HTML ●●●●○
- CSS ●●●●○
- LaTeX ●●●○○

Algorithms and Math Knowledge

- Data Structures ●●●●○
- Algebra ●●●●○
- Probability and Statistics ●●●●○
- Dynamic Programming ●●●○○
- Graph Theory ●●●○○