

LORAIN MONTEAGUDO GARCIA

Full Stack Developer | Python Developer | Machine Learning Engineer

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Software Developer specializing in full-stack development and machine learning. Proficient in Python, Vue, FastAPI and SQL, with a strong background in creating responsive user interfaces and enhancing data management. Proven track record in enhancing productivity and operational efficiency through advanced algorithm development and real-time data tracking. Adept at utilizing advanced tools and frameworks to deliver innovative solutions and improve workflow processes. Passionate about leveraging cutting-edge technologies to drive impactful solutions.

WORK EXPERIENCE

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| 09/2022 Present | Software Developer, JACK’S FLIGHT CLUB, Remote <ul style="list-style-type: none">Enhanced internal software to track flights, boosting productivity and efficiency.Utilized Slack and created a dashboard in Svelte for real-time flight tracking and data extraction.Developed an ML algorithm to classify valuable flights, improving operational efficiency.Streamlined processes, leading to measurable improvements in workflow. <div>FastAPISvelteRedisPostgreSQLDockerMLTypescriptPytestGitHub ActionsPlaywrightSQLAlchemy</div> |
| 02/2022 08/2024 | Full Stack Developer, ARALEC, Zaragoza, Spain (Remote) - Part Time <ul style="list-style-type: none">Developed IoT web application for lighting control using LoRaWAN and Chirpstack server, enhancing automation.Implemented Python backend with FastAPI, SQLAlchemy, and MySQL, improving data management efficiency.Created Vue3 frontend with JavaScript and Vite, delivering a responsive user interface. <div>PythonIoTFastAPISQLAlchemygRPCVue3JavaScriptDockerPytestMySQLRedisDigitalOcean</div> |
| 01/2022 08/2022 | Assistant Professor and Researcher, UNIVERSITY OF HAVANA, Havana, Cuba <ul style="list-style-type: none">Taught Logic, Machine Learning, and Programming; enhanced student comprehension and engagement.Collaborated on AutoML system AutoGOAL, creating meta-learning component for improved effectiveness. <div>Machine LearningPythonDeep LearningData AnalysisTeachingResearch</div> |
| 07/2021 01/2022 | Full Stack Developer, DEEPDATATECH, Havana, Cuba <ul style="list-style-type: none">Designed and developed a web application for psychological tests, enhancing talent selection efficiency.Implemented Carl Jung’s personality theory, improving candidate assessment accuracy.Collaborated with psychologists to ensure test validity, resulting in more reliable talent identification. <div>PythonFastAPIStreamlitMongoDBPydanticVue2</div> |

EDUCATION & CERTIFICATIONS

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| 2016-2021 | BSc. Computer Science in the University of Havana, Faculty of Mathematics and Computing. <ul style="list-style-type: none">Gold Diploma: Graduated with top academic scores.Scientific Merit Award: Achieved excellent academic and research results. |
| 2022 | Associate Data Scientist, DataCamp. (Show Credential) |

SKILLS

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| Programming | Python, C#, JavaScript, TypeScript, HTML5, CSS |
| Frameworks | Sckit-Learn, Vue, Svelte, Playwright, FastAPI, SQLAlchemy, NumPy, Tensorflow, Pandas, NLTK, Spacy, Matplotlib, Seaborn, Streamlit, .NET Core, Django, Flask. |
| Databases | MySQL, PostgreSQL, MongoDB, Redis. |
| Tools | Visual Studio Code, git, PyCharm, GitHub, Docker, Jupyter Notebooks, Google Colab. |
| Soft Skills | Communication, Adaptability, Critical Thinking, Teamwork, Problem Solving |

HONORS & AWARDS

- 06/2021 **5th Place in IberLEF eHealth Knowledge Discovery Challenge 2021:** Named Entity Detection and Relationship Extraction Contest in Spanish Medical Texts. *(Issued by IberLEF eHealth-KD 2021)* [↗ \(Competition Site\)](#)
- 11/2019 **Silver Award at the National Computer Conference:** Achieved Silver Award at the National Computer Conference for the publication of: “Un Modelo de Anotación de Propósito General para el Descubrimiento de Conocimiento Aplicado a Tecnologías de la Salud”. *(Issued by Ministerio Educación Superior (MES))* [↗ \(Competition Results\)](#)
- 07/2019 **XVI COMPUMAT 2019 International Congress Participation:** Participated in XVI COMPUMAT 2019 International Congress with the publication of the work “Detección de la negación y su ámbito en textos escritos en español”. *(Issued by University of Havana)*

</> LANGUAGES

English ●●●●○ Spanish ●●●●●