

RODOLFO FERRO

SWE @ Bionic México | Building tech solutions with AI & Blockchain

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EXPERIENCE

Software Engineer

Bionic México

📅 Mar 2023 – Present 📍 Guanajuato, Mx (Remote)

- In charge of automation processes and smart contracts.
- Support for data science + analytics team.

ML Engineer

Zetalabs S.L.

📅 Dec 2020 – Aug 2022 📍 Spain (Remote)

- Designed, implemented and deployed AI models in cloud.
- Cloud admin of model registry and orchestration system.

ML Engineer Consultant

Human Centered Technology

📅 Jun 2020 – Feb 2022 📍 Zacatecas, MX

- Co-designed product structure and interaction.
- Develop and maintain the ML system for product services.
- Develop and maintain monitoring system for real-time product status.

Open Data Coordinator

Lab León, Municipality of León

📅 Jul 2018 – Sept 2019 📍 Guanajuato, MX

- Implemented tech prototypes for the city, designing, structuring and analyzing the impact.
- Improved the technical system for Open Data processes along different city departments.

Python Developer

CloudLinux

📅 Feb 2019 – May 2019 📍 Guanajuato, MX

- Developed and deployed web scrapers to automate data extraction.

ML Research Assistant

CIMAT, National Consortium of Science and Technology

📅 Feb 2018 – Feb 2019 📍 Guanajuato, MX

- Implemented deep learning models for computer vision systems in industry.

ML Research Internship

Department of Chemistry and Chemical Biology, Harvard

📅 Jun 2017 – Aug 2017 📍 Cambridge, MA

- Implemented ML models for molecule properties calibration.
- Developed a Python package on ML models applied to molecular properties, using GFlow.

EDUCATION

Universidad de Guanajuato

BS in Mathematics

📅 Aug 2011 – Jul 2018 📍 Guanajuato, MX

- Focused in mathematical computing as area of concentration

SKILLS

PROGRAMMING

Python • Processing • C • MongoDB

LIBS/Frameworks

NumPy • TensorFlow (TF) • Pandas • Flask
OpenCV • Airflow • Prefect • Ploomber
Gradio • Streamlit

TECH TOOLS

Git • GitHub • JupyterLab •
Google Cloud Platform • Microsoft Azure

PROJECTS

ResMoNet

- Detecting Emotional States from Video to Improve the Electronic Patient Record (<http://dx.doi.org/10.2139/ssrn.4120087>).

Psychopathology Assistant

- An intelligent assistant platform to track psychopathology patients responses during face-to-face and remote sessions (github.com/RodolfoFerro/psychopathology-fer-assistant).

CitizenBot

- A social network bot to attend citizenship reports about failures on public services.
- Intellectual property registration N°: 03-2017-071811472900-01 (Mexico).

AWARDS

- Microsoft Certified: Azure Fundamentals [AZ-900] (2021).
- Winner of the #TFWorld TensorFlow 2.0 Challenge (2020).
- Quantum Computing 101 [Mexico Bootcamp] Badge by IBM Q (2018).
- 1st place in the IBM Hackapalooza Bluehack Hackathon (2017).
- 1st place in Hackathon "Centro Fox" (2017).

PUBLIC SPEAKING

- TEDxUNAMLeón (2020)
- PyCon Colombia (2020)
- International Conference on Software Processes Improvement (CIMPS) (2020)
- Reunión Internacional de Inteligencia Artificial y sus Aplicaciones (RIIAA) (2019, 2020)
- Jalisco Talent Land (2021, 2020, 2019)
- PythonDay México (2019, 2018)