BRUNO GIL

❱ Status: Marketing Intern: Jr Developer At Weidmüller Mexico

❱ Tech-Skills: Python, SQL, Java, C, HTML5, JavaScript, Data Structures, and Heuristics

❱ Soft-Skills: Initiative, Assertiveness, Purposefulness, Proactivity, Adaptability, Autodidactic, Creativity

❱ Interests: AI, LLMs, Data Analysis, Web Services, Back-end, Software Development

❱ Languages: Spanish, English, German

❱❱❱ Summary

Computer Science Engineer with a strong interest in Back-end Development, Data Science, and Artificial Intelligence (LLMs). My current priority is to apply my knowledge in service of an organization, contributing and collaborating as a team, with a focus on achieving the best possible results.

❱❱❱ Experience

05/2019 - 03/2020   **Developer**   VIBLAS

- ❱ **Database maintenance**. Using relational systems, SGBD: **MySQL**.
- ❱ **Software development**. Automated database connection using **JDK 9** (Java).
- ❱ **Software documentation**.

05/2022 - 06/2023   **Data Analyst**   University SS program

- ❱ **Data Researching**. Conducted extensive research on mental health and sentiment analysis.
- ❱ **Data Retrieval**. Retrieved information using **Python**, **sklearn**, **pandas**, and **numpy**.
- ❱ **AI Development**. Developed sentiment classification models using **TensorFlow**, **pandas**, **Python**, and the **RoBERTa** model for implementation with a Discord bot.
- ❱ **Emotional Chat-bot implementation in Discord** (deprecated). Implemented using the **hikari** micro-framework and **nltk** in **Python**.

05/2023 - 08/2024   **Head Researcher**   Sólo Escúchame Research

- ❱ **Data Researching**. Conducted extensive research on **LLMs**, Machine Learning, Transformer Architectures, and Low Rank Adaptation.
- ❱ **Data Compilation and Retrieval**. Used Hugging Face library, **pandas**, **sklearn**, **numpy**, and **nltk** in **Python** to create two datasets: HEAR and HRECPW.
- ❱ **Llama2 Fine-Tuning**. Fine-tuned LLaMA2 for Emotional Accompaniment using **LoRA**, **PEFT**, and the **Transformers** framework.
- ❱ **Model Evaluation**. Developed metrics based on the Socratic Method and Active Listening Techniques and applied them manually and through automation for model evaluation.

01/2024 - Active   **Marketing Intern: Jr Developer**   Weidmüller Mexico

- ❱ **Web Scraping**. Utilized **Requests**, **BeautifulSoup**, **pandas**, and **JSON** frameworks for HTML processing to extract product data.
- ❱ **Database Development and Maintenance**. Used pandas and **ORM** frameworks like **SQLAlchemy** and **pg8000** to create and maintain a **PostgreSQL** database hosted on **GCP** (Google Cloud Platform).
- ❱ **Back-end Development**. Developed an API using **FastAPI**, **Docker**, and **GCP Cloud Run** with Continuous Integration to serve product data for wholesalers. Also created an authentication back-end based on **OAuth2.0** to manage API access.
- ❱ **Front-end Development**. Designed the UI using **Web Components** (HTML) and **JavaScript**. Pre-rendered the server-side app using **Jinja2** and FastAPI.
- ❱ **Data Analysis**. Filtered and organized customer data collected during events using **pandas**.
- ❱ **GitHub Repository Administration**. Managed versions and branches of the GitHub repository using git.

❯❯❯ Education

2018 - 2024	**B. Eng. in Computer Science**	BUAP

❯ Thesis: Methodology and Implementation of Algorithms Based on Language Models for Emotional Accompaniment

❯❯❯ Technological Events Participation

2024	**ISTAS 2024**	IEEE - UDLAP

❯ International Symposium on Technology and Society

❯ Participation: Attended

❯ Location: UDLAP. Puebla, Mexico

❯ Date: 18/09 - 20/09

2024	**MICAI 2024**	SMIA - ONR - INAOE

❯ Mexican International Conference on Artificial Intelligence

❯ Participation: Author by Research Paper: "Sólo Escúchame: Spanish Emotional Accompaniment Chatbot"

❯ Location: INAOE. Puebla, Mexico

❯ Date: 21/10 - 25/10

❯❯❯ Languages

2012 - 2017	**English**	Harmonhall

❯ Level: B2

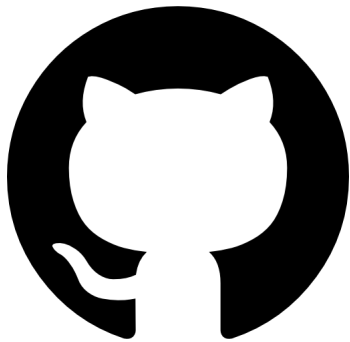| 2018 - 2022	**German**	VW Languages School

❯ Level: A2

❯❯❯ Social Media

My Profile

My Profile

My Profile