DIEGO ALEJANDRO GOMES

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EDUCATION

KU Leuven │ Master of Science, Statistics and Data Science, Biometrics   Expected 2023
UC San Diego │ Bachelor of Science, Cognitive Science with Specialization in Neuroscience   2017

PROFESSIONAL SUMMARY

I am a business-oriented, bilingual English-Spanish native speaker with a passion for applied leading-edge techniques in data science and AI. I possess a strong analytical and statistical foundation, and am comfortable working with large-scale data sets. Although the majority of my professional background is in clinical research, I am looking to transition towards more industry-related fields such as consulting. My curricular experiences with natural language processing, API integrations, database management, and interactions with several data-driven companies in Belgium has sparked my curiosity and interest in learning more about conversational AI as an efficient and scalable tool for clients.

SKILLS

Proficient in Python & R	Project Management	Communicating & documenting findings	Quick, curious, and constant learner
Basic JavaScript & HTML	Familiar with API integrations	Bilingual (English & Spanish native speaker)	Attention to detail
REDCap survey design	Generating statistical reports		Strong interpersonal skills

RELEVANT EXPERIENCE

LEAD WORKSHOPS   **2022 – 2023**
Emergent Leuven, Data Science and AI student organization
- Contacted prospective lecturers and shareholders, collaborated and designed 2.5-5-hour workshop sessions with participating companies, troubleshooted logistic, budgeting, and technical issues during events, provided shareholder feedback, oversaw marketing efforts to attract and retain workshop participants, and applied attention to detail to ensure quality attendee and host experience. End-to-end ownership of workshops, from planning to event execution.
- Organized 8 hands-on and technical workshops related to cutting-edge industry topics in data science and AI
- Business-oriented approach, professional and effective communication with partners and internal collaborators, applied time management, problem-solving, planning, and organizational skills.
- Workshops organized: *Biztory - Intro to Data Visualization and Tableau (2-part workshop series)*, *Datamined - Intro to Data Engineering*, *Hugging Face - AI Ecosystem Overview*, *Datasense – Embracing Modular SQL and DBT*, *Dataroots – Image Segmentation, Style Transfer, and Stable Diffusion*, *Microsoft- Internet of Things with Azure (2-part workshop series)*

MASTERS THESIS AND COURSEWORK   **2021-2023**
- Topic: Combining hyperspectral imaging features with retinal metrics to screen for Alzheimer's disease (An applied machine learning and longitudinal mixed model approach). Involves high dimensional imaging and neurology data, preprocessing techniques using HTML structured metadata, developing data analysis pipelines and interactive user annotation interfaces using Python, Dash, and Jupyter Notebooks.
- Collecting and Analyzing Big Data for Social Science: *Evaluating the Impact of Generalized Prejudice on Monkeypox.* Involved scraping geocoded tweets from the Twitter API, applied NLP techniques for conducting a sentiment analysis (stemming, lemmatization, removing stop words, etc.)
- Modern Data Analytics: *The Pandemic in Prison: Analyzing the Evolution of COVID-19 through the Lens of the United States Prison System.* Involved integrating data from The Covid Prison Project API into graph databases. Produced interactive data visualizations on Observable using JavaScript (D3), and deployed Node.js app via Heroku.