Ulises Marian

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 github.com/ulises-8

WORK EXPERIENCE

Vibrant Emotional Health   **Sept. 2024 – Current**
Data Scientist – LLM Engineer
- As part of the Data Science Production Team, I develop and deploy LLM-RAG-powered AI solutions: chatbots and pipelines for data processing, information retrieval, and document summarization
  - Improving information and data accuracy
  - Generating context-aware responses
  - Designing and optimizing prompt engineering strategies to enhance AI-LLM output quality
  - Building and managing vector databases of clinical and healthcare data to enable efficient semantic search and knowledge retrieval

Tesla Government Inc.   **Dec. 2022 – July 2023**
Data Scientist - Data Research Specialist
- Tesla Gov. is a business specializing in knowledge management; GIS; data research, analysis, and visualization
- As part of the Research and Data Team, I conducted research, analyzed and interpreted data; automated data extraction and mining processes; and developed frontend applications that visualize data
  - Identified business needs and opportunities, and developed business solutions
  - Used machine learning to generate actionable insights and advance business solutions
  - Automated data extraction and mining processes
  - Collected/scraped data from various sources, via the use of BeautifulSoup, Selenium, Scrapy, OCR
  - Leveraged Python libraries such as Pandas, NLTK, RegEx (regular expressions) for data cleaning, extraction, visualization, and Natural Language Processing (Seaborn, Matplotlib, D3.js, and Tableau
  - Built and maintained databases, data warehouses, data lakes, and pipelines – Spark & Databricks
  - Used HTML CSS, JavaScript, and Python for internal data and software development applications

BIOVIA - Dassault Systèmes   **Oct. 2022 – Dec. 2022**
Software Engineer, Scientific Visualization – Intern   *San Diego, CA*
Software Engineer, Drug Design & Science Collection
- BIOVIA is a software company that provides software for chemical, material, and bioscience research: simulation, visualization, and analysis
- As part of the Discovery Studio team, I worked on the software development and integration of new 3D scientific visualization functionalities into the 3DEXPERIENCE platform and Pipeline Pilot (Typescript-React)
  - Supported the Data Science Team with the management, cleaning, and manipulation of datasets via leveraging Python libraries: Pandas, NumPy, NLTK; and regular expressions
  - Collaborated with the Product Management team to contribute ideas for features and product direction
  - Collaborated with the UI/UX Design team for the development of optimal software functionalities
  - Participated in daily Scrum meetings

ChiroTouch   **Feb. 2022 – Oct. 2022**
Assoc. Software Engineer Intern   *San Diego, CA*
- ChiroTouch is a cloud-based chiropractic and EHR software system
- As Assoc. Software Engineer Intern, I collaborated with front-end and back-end work JavaScript) – expanding and maintaining the insurance, payment, and ledger components and features
    - Responsible for unit tests, integration tests and end-to-end testing
    - Managed the databases (SQL) for EHR data
    - Participated in Sprint planning, Story pointing, and daily Refinements (Agile/Scrum)

EDUCATION

University of California, San Diego (UCSD)   **June, 2018**
BA, Linguistics, and International Studies-Political Science (double major)
- Studied abroad in Novi Sad, Serbia during the 2014-2015 academic year (University of Novi Sad)
- Studied abroad in Bologna, Italy during the 2017-2018 academic year (University of Bologna)

Foothill College   **Sept, 2020-**
BS, Computer Science

CERTIFICATIONS

Certificate of Achievement in Advanced Software Development – Foothill College
Certificate of Achievement in Software Development in Python – Foothill College

SKILLS & INTERESTS

Skills:
- Problem-solving, communication, teamwork, adaptability, research, analytical thinking
- Python, Java, JavaScript, TypeScript, HTML, CSS, VBA
- Data Science: NumPy, Pandas, Scikit-learn, NLTK, RegEx
- Data Visualization: Matplotlib, Seaborn, Tableau, R (ggplot, Plotly, Shiny)
- Cloud Computing - AWS, Django, Flask, MySQL, SQL, Node.js
- OOP, Linux, REST API's, JSON, Git, GitHub, Jira, Docker, Kubernetes, Agile/Scrum

Languages: English, Spanish, Italian, Serbo-Croatian, German (intermediate), Czech (intermediate)

Interests: Machine Learning, AI, NLP, Bioinformatics, Data Science and Analytics, Language, Linguistics, Cognition, Culture, Meditation, International Relations, Sports