

Edouard Gouilliard

5323 South Maryland Avenue, Chicago, IL, 60615, US
+1 (773) 684-4470 | edouard.gouilliard13@gmail.com | LinkedIn | GitHub

EDUCATION

University of Chicago

Bachelor of Science in Data Science

Study Abroad: Paris, France (Fall 2021)

Courses: Machine Learning (Scikit-Learn, PyTorch, Classification), Statistical Models and Methods (R Studio), Introduction to Computer Science (C++), Engineering (Javascript, HTML, CSS)

Chicago, IL

Sept 2020 - Dec 2024

SKILLS

Languages: French, English (Fluent)

Software Engineering: Python, SQL, Docker, Tensorflow, PyTorch, Jenkins, JavaScript, C++, R Studio, Power BI, MATLAB, Prompt Engineering, Scikit-Learn, Kubernetes, AWS

Data Science / Machine Learning: Classification, Feature Engineering, Supervised Learning, Unsupervised Learning, NLP, XGBoost, Snowflake, Big Query, Hugging Face

EXPERIENCE

Data Science Institute

Data Scientist and Analyst

- Leading the development and deployment of a generative AI chatbot using Open-WebUI for Invenergy, enabling employees to use natural language to query documents stored in a PostgreSQL database.
- Implementing an automated data ingestion pipeline using Python and PDFPlumber, leveraging a sentence embedder and a custom RAG model with LLaMA to generate responses from retrieved texts.

Chicago, IL

Sept 2024 - Dec 2024

Data Science Institute

Data Scientist and Analyst

- Led a project for Reveal News, creating a data pipeline that enabled public benchmarking of company safety rankings by analyzing workplace injury data from government sources and tracking injury patterns across over 250 companies.
- Developed ML algorithms to identify shifts and trends in workplace injuries, presenting detailed findings and facilitating data-driven safety improvements across industries.

Chicago, IL

Mar 2024 - Jun 2024

Leyton

Data Scientist and Analyst

- Developed a web scraping pipeline to extract relevant information from company websites, enabling the identification of potential clients with tax credit and R&D needs for the consulting teams.
- Enhanced an industry classification model, increasing the F1-Score by 15% (to 67%) across 69 industries through iterative tuning and performance evaluation on a 10% sample against ground truth labels.
- Automated classification of 100,000 companies using a pipeline with a web crawler, text summarizer, translator, and fine-tuned model, reducing processing time from months to days.

Morocco, Casablanca

Jun 2023 - Sept 2023

BioGroup

Data Analyst and Clinic Management

- Streamlined inventory management by conducting data analysis, delivering actionable insights through Power BI dashboards to ensure efficient tracking of clinic supplies and prevent stockouts.

London, England

Jun 2022 - Sept 2022

PERSONAL PROJECTS

Checkers Game and Bot

Computer Science Project

- Designed a Checkers bot with both TUI and GUI, providing real-time move suggestions through SmarterBot for enhanced strategic gameplay and responsive, dynamic move recommendations.

Chicago, IL

Mar 2023 - Jun 2023