

Rafael Pinto

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EDUCATION

Vrije Universiteit Amsterdam

Bachelor's of Science, Computer Science

- **Minor** in Data Science

September 2020 - August 2023

Amsterdam, NL

GPA: 7.5

WORK EXPERIENCE

Data & AI Specialist

Triply IT

- Develop applications tailored to each specific stakeholder by **leveraging** advanced data science techniques and artificial intelligence algorithms.

October 2023 - Current

Amsterdam, NL

Linked Data Internship

Triply IT

- Created an approach to **evaluate and visualize** SHACL business rules on a linked dataset.
- Obtained professional **experience** on a company that is active in the **software development and data analytics** market.

April 2023 - August 2023

Amsterdam, NL

Teaching Assistant Software Design

VU Department of Computer Science

- Provided assistance and guidance to **6 groups of 4 people each**, in regards to their course project, explaining theory of software design concepts such as UML, and Java programming.

February 2023 - May 2023

Amsterdam, NL

Teaching Assistant Statistical Methods

VU Department of Computer Science

- Mentored **over 50** students enrolled in Statistical Methods, explaining challenging statistical concepts and fundamental programming knowledge for Computer Science majors.
- Coordinated lessons and tutorials with **8 other teaching assistants** to ensure that students could ask questions about assignments and exams.

November 2022 - January 2023

Amsterdam, NL

PROJECTS

Dynamic Data Dashboard on Looker Studio: Dynamic dashboard on Looker Studio connected to customer's GA4 data on BigQuery that highlights important KPI's of a customer, which can be filtered on date and platform.

AI Generation of Executive Summary Reports: Automatic generation of executive summary reports for a customer every month, providing key findings and recommendations. Made by using their collected data on BigQuery, an Azure function app, and a LLM.

ML Model for Predicting Churn: Collected and cleaned raw data, performed feature engineering to enhance its predictive power, and transformed and integrated multiple datasets to prepare a robust dataset for machine learning model training by using multiple python libraries (pandas, numpy, matplotlib, sklearn).

Confluence Scraper with Chatbot Functionality: Made a Confluence Scraper for a company and stored that data in a vector database (Chroma), then created a chatbot with that information so that employees could ask about information on their Confluence page.

AI Article Recommender System for a News Website: Collected user activity under a News website by using local storage, that information was then stored in an Azure SQL DB, and the data was then used to figure out user patterns and interests, recommending users to other articles based on those interests.

SKILLS & INTERESTS

Languages: Python, R, SQL, Java, C++

Tools: Azure (AZ-900 and DP-100 certificates), Jira, Power BI, Looker Studio, Docker

Fluent: Portuguese, English, Spanish. Working on Dutch (Level A2)