

Company PDF

About UniMatch

UniMatch is a company created with the main goal of helping graduated students find suitable universities and/or areas of study, assisting their transition to higher education. It intends to achieve this goal by making the best use of LLMs and generative AI technologies to provide the users with a new level of personalization and to find information which would be hard to access.

The platform provides information about a wide range of university courses and their subjects, and any requirements for applying. It also aids students discover international mobility opportunities, and applicable scholarships for any area of study. UniMatch is designed for a wide range of users, including high school graduates looking for undergraduate programs, undergraduates seeking Master's degrees, and those interested in pursuing PhDs. By making the process simpler and more personalized, UniMatch ensures students can make better decisions for their education and future careers.

How was UniMatch born?

UniMatch is a startup born as a university project for the Capstone Project course (at NOVA IMS, Lisbon), driven by the desire to address a common challenge faced by students.

The idea came from the creators seeing many of their peers struggle to choose a university, often feeling lost and unsure. UniMatch was created to make this process easier by providing personalized advice to help students pick the right university and program for their interests and goals.

Future Perspectives

UniMatch is a small startup focused on showcasing how generative AI can solve industry challenges, such as helping students make informed decisions about their education or streamlining administrative processes in universities.

Currently, the internal database contains only basic information—such as the name, location, and main website—on about 0.21% of universities worldwide, and only 20% of these have detailed data on courses, prerequisites, scholarships, and other relevant details. As a result, UniMatch is still in the early stages of development.

However, we love to believe that the potential is there: UniMatch could grow into a mainstream tool for students by providing personalized university recommendations based on their unique preferences, academic background, and career goals, offering

detailed insights to help them make well-informed decisions about their future. In the future, we might expand our database to cover all universities in the European Union and add new features like multimedia support.

About the Team

UniMatch has been created by five highly motivated students of Data Science at NOVA IMS: let us present ourselves.

- **Dino Meng** is an Italian exchange student from the University of Trieste, who is pursuing a bachelor's degree in "Artificial Intelligence & Data Analytics", currently in the second year. His main interests include pure mathematics, machine learning, and coding. Moreover, Dino is also an enthusiast in generative AI, as he foresees a lot of potential for such technologies.
- **Lourenço Passeiro** is a third-year student at NOVA IMS who is pursuing a degree in Data Science, passionate about using machine learning to drive innovation and solve real-world problems, with aspirations to create impactful machine learning models to improve decision-making and daily lives. He has experience with supervised and unsupervised learning techniques, including regression, classification, clustering, and deep learning.
- **Miguel Marques** is a third-year student at NOVA IMS who is pursuing a degree in Data Science. He is an enthusiast in data science and databases, with a strong interest in extracting insights from complex datasets. Miguel has extensive experience with database management systems, including SQL, and enjoys designing efficient schemas and optimizing queries to handle large volumes of data.
- **Peter Lekszycki** is a third-year student at NOVA IMS who is pursuing a degree in Data Science. He is passionate about using data to drive innovation and solve real-world problems, with a strong interest in entrepreneurship and aspirations to create a data-centric startup that leverages AI to improve decision-making and daily lives.
- **Tomás Gonçalves** is a third-year student at NOVA IMS who is pursuing a degree in Data Science, with a focus on data analytics and generating business insights to drive informed decision-making. They have experience with data cleaning, exploratory data analysis, and visualization techniques, using tools like Python, SQL, and PowerBI.