

Victor Barra

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Education

Bachelor of Applied Computer Science

Sept 2021 - June 2024

Major: Artificial Intelligence

Howest University of Applied Science (Bruges, Belgium)

Work Experience

Student software developer, Open Summer of Code (osoc)

July 2024 - July 2024

Brussels, Belgium

- Participated in a 4-week summer program that pairs students with organizations to develop innovative tech solutions.
- Collaborated in a team of 3 to design and develop a prototype app for the company imec, aimed at simplifying the benefits of Solid (Social Linked Data) for users.

Machine Learning Intern, ML6

February 2024 - May 2024

Ghent, Belgium

- Built an internal Retrieval-Augmented Generation (RAG) solution to help employees quickly find information about the company.
- Focused on the evaluation of RAG to identify and implement improvements for the company's AI solutions.

Lifeguard

July 2019 - August 2022

Nieuwpoort, Belgium

- Secured a coastline area with a team of 5 lifeguards during the summers, ensuring safety and quick response to emergencies.

Personal projects

Movies app: (Nextjs, Python, Tailwind CSS, Docker, Weaviate)

- Netflix clone featuring 680 movies sourced from TMDB.
- Implemented a vector database to store and retrieve similar movies.

SentimentAPI: (Nextjs, Python, Tailwind CSS, NLP)

- Collaboration with a friend.
- SentimentAPI is an API that allows users to analyze the sentiment of a text (NLP). Users can create API keys and use them to make requests to the API.

Sociali: (React, Express, Nodejs, AWS S3, Tailwind CSS)

- Personal project to explore AWS.
- Sociali is a full-stack Instagram clone and progressive web app where users can share their favorite photos with the world.

Skills

Languages: Python, HTML, CSS, Tailwind CSS, JavaScript, Typescript

Technologies: React, Nextjs, Node.js, AWS S3, GCP, Git, Docker

Databases: MySQL, MongoDB, Firebase, Supabase

Data/AI: Streamlit, TensorFlow, PyTorch, Scikit-learn, Pandas, Matplotlib, NumPy

Languages

Dutch (native proficiency) - English (professional proficiency) - French (professional proficiency)

Interests

Books - Golf - Running - Music