Emalisa Antonioli

OBJECTIVE

I have a strong analytical mindset and a passion for connecting business processes with digital solutions. With a background in Computer Science, Artificial Intelligence, and Business Intelligence — combined with experience in the chemical sector — I enjoy translating complex operational challenges into clear, functional IT solutions. My experience in data analysis, process modeling, and application development enables me to support digital transformation and contribute to industry-specific IT solutions, particularly in environments where technical and operational expertise intersect.

CONTACT

- emalisaantonioli@gmail.com

ABOUT ME

I'm a calm and easygoing person who enjoys both creativity and curiosity—whether that's through art, baking, or simply exploring the world around me. In my free time, you'll likely find me sketching, painting, or experimenting in the kitchen (with varying success!), or, if the weather allows it, outside with a book in hand or simply taking in the sights of birds and plants. I love learning new things and appreciate the little details that make both nature and technology fascinating.

PROJECT HIGHLIGHTS

Rectifier Automation Application

The final task of my bachelor's degree was to create an entire application from scratch. The goal of the application was to add a computer interface to an electrical device (a rectifier) that previously could only be controlled by a handful of buttons and a turning knob, with a focus on preventing user errors. Through this I gained experience with both analyzing both the needs of the customer as well as the technical processes in which the application would be used. I also gained a lot of knowledge and experience with application development, specifically working modularly and applying design patterns.

Energy Monitoring Data Reconstruction

In a group of five students, each with their own specialty, we were tasked to create an energy monitoring dashboard for Kenter. As the data specialist of the team, I was given the task of creating a solution to reconstruct missing data, for both short and long time stretches. Creating such a solution from scratch taught me a lot about statistical solutions. More than that, communicating with a customer that does not know IT and being the only person in the team with my specific area of expertise taught me a lot about the human side of IT projects.

EDUCATION

THOMAS MORE UNIVERSITY OF APPLIED SCIENCES
Bachelor's in applied computer science
2022 – (2025) Still in progress
GPA 7.2/10

UNIVERSITY OF AMSTERDAM
Bachelor of Science in Chemistry
2017 – 2021
GPA 7.3/10

Minor Programming
2021
GPA 8.4/10

PROFESSIONAL SKILLS

- o Strong analytical mindset
- o Excellent attention to detail
- o Organized and methodical approach
- o Effective planner and presenter
- o Able to provide and receive constructive feedback
- o Collaborative team player

LANGUAGES

- o Dutch: Native
- o English: C2 (CAE)
- o German: A2
- o Italian: A2
- o French: A1

TECHNICAL SKILLS

PROGRAMMING & SCRIPTING LANGUAGES

Python: ★★★☆☆ (Data Science, AI/ML, Automation)
SQL: ★★☆☆☆ (Data Analysis, Queries, ETL)
Java: ★★☆☆☆ (Object-Oriented Programming)
JavaScript: ★★☆☆☆ (Front-End Scripting)
C: ★★☆☆☆ (Systems Programming)
PHP: ★★☆☆☆ (Server-Side Scripting)

WEB TECHNOLOGIES

HTML/CSS: ★★☆☆☆ (Structuring Web Pages, Responsive Design)
.NET Framework: ★★☆☆☆ (Application Development)
Data Science & Machine Learning Tools
Pandas, NumPy, Matplotlib, Seaborn: ★★☆☆☆ (Data Manipulation, Visualization)
Scikit-Learn: ★★☆☆☆ (Machine Learning Models)
TensorFlow, PyTorch: ★★☆☆☆ (Neural Networks)

EXPERIENCE

Technical Intern @ CerCuits

July 2024 – September 2024

Contributed to PCB production as supporting process operator. Gained experience with the entire flow of Galvanic Reverse Pulse Plating of ceramic substrates. This went from preprocessing the substrates to quality control of the finished product.

Restaurant Crew Member @ Pizza Hut Geel

Since April 2022

Developed strong multitasking abilities by balancing kitchen duties and front-of-house customer service in a fast-paced environment. Gained experience in teamwork, task delegation, and working efficiently under pressure to ensure smooth operations and high customer satisfaction.

Teaching Assistant @ University of Amsterdam

September 2021 – Januari 2022

I taught programming fundamentals and supported project development for students in the Minor Programming group at the University of Amsterdam. I enhanced both my programming expertise and teaching skills through project coaching and lesson preparation.