

ROBERT AMARTISOAEI

Junior Data Analyst | Electrical engineer

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<https://github.com/Robert98A/robert98a.github.io> Timisoara

SUMMARY

Data Analyst & Electrical Engineer with 3 years of experience analyzing system performance, validating telecom equipment, and working with large sets of measurement data. Skilled in SQL, R, Tableau, Excel, and data visualization, with a strong foundation in signal analysis, experimental design, and troubleshooting complex systems. Completed the **Google Data Analytics Professional Certificate**, gaining hands-on experience with real-world datasets and analytical workflows. Adept at identifying patterns in technical data, improving testing processes, and providing actionable insights to support engineering and business decisions.

EXPERIENCE

Systems Test Technician

Flex

2022 - Present Timisoara

- Collected, processed, and analyzed temperature, signal power, and performance data across 300+ telecom test cycles to assess system stability.
- Performed root-cause analysis on network issues using Optical Network Testers and Analyzers, identifying failure patterns that reduced retest time by ~15%.
- Monitored and interpreted network traffic to validate data flow integrity and documented anomalies for engineering teams.
- Executed controlled experiments in climate chambers (-40°C to 65°C) and interpreted measurement trends to evaluate equipment behavior.
- Resolved software compatibility/performance issues and improved monitoring accuracy through Falcon FST and diagnostic tools.
- Conducted security testing on network interfaces and summarized findings to support QA processes.

Sales Assistant

Flanco Romania

2022 - 2022 Timisoara

- Advised 50+ customers daily using strong product knowledge in IT&C, increasing conversion rates by 15%.
- Used inventory systems to manage transactions and stock, ensuring efficient, accurate service.
- Contributed to 10-20% monthly sales growth by meeting individual targets, upselling accessories and supporting in-store promotions.

PROJECTS

Design and Study of a Particle Accelerator Model

Source: https://drive.google.com/drive/folders/1-JbBFQUcZ5zlWmZ1_moV4C3ionXzXrdO?usp=drive_link

Bachelor Thesis:

- Designed the circuit using 3D printing for components and supports, including amplifiers and power supplies.
- Applied magnetism to guide particles with permanent magnets and electromagnets, simulating circular trajectories.
- 3D printed precise parts for particle guides and supports, testing prototypes for adjustments.
- Simulated particle behavior under electric and magnetic fields, optimizing parameters through experimental testing.

SKILLS

Data & Analytics

SQL	R	Tableau
Spreadsheets/Excel		
Data visualization		Statistical Analysis
Data Analysis		Report Generation
Data Management		Data cleaning
Attention to detail		

Bachelor skills

Signal processing	Embedded Systems
PCB Design	
Telecommunications Systems	
Control and automation	
Microelectronics	

Programming & Tools

RStudio	BigQuery	Tableau Public
Excel		

Soft skills

Analytical thinking	Communication
Problem-solving	Teamwork
Attention to detail	

EDUCATION

Data Analytics Certificate

Coursera

📅 2025 - 2025 📍 Timisoara

- Completed end-to-end data analytics workflow training: data cleaning, analysis, visualization, SQL, R, spreadsheets.
- Gained experience with real-world datasets and business-oriented problem solving.
- **Certificate:** <https://coursera.org/share/b74f5f0ca78efa58531cd79c3c097b75>

Bachelor in Electronics and Telecommunications

Politehnica University Timisoara

📅 2018 - 2021 📍 Timisoara

- Strong foundation in signal processing, digital systems, automation, and measurement instrumentation.
- Completed a data-intensive thesis on modeling and testing a particle accelerator system.
- Applied experimental design, numerical simulation, and measurement data analysis to optimize system performance.
- **Relevant Coursework:** Signal Processing, Microelectronics, Control & Automation, Telecommunications, Embedded Systems, PCB Design

Diploma of Higher Education, Mathematics & Computer science

"Traian" National College

📅 2017 📍 Drobeta-Turnu Severin, Romania

- Gained foundational knowledge in mathematics, logic, and programming concepts.