

# 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](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

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## 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>
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## 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
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## Diploma of Higher Education, Mathematics & Computer science

### "Traian" National College

⌚ 2017 🗂 Drobeta-Turnu Severin, Romania

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