

# Mateusz WIZA

## Systems & Certification Engineer



### Contact

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🌐 /mateusz-wiza

### Referential

DO-178, DO-254

ED-202, ED-324

Part-21, CS-25

### Skills

- Model-Based System Engineering
- System Definition, Architecture, Modelling, Verification & Validation
- Safety & Security Analysis
- Data Science, AI, Machine Learning, Data Fusion
- Project Management, Agility, Scrum

### Technologies

- Python, Java, C, R, MATLAB
- UML, SysML (Capella)
- HTML, CSS, JS, PHP
- SQL, SPARQL

### Languages

English	Polish
Fluent	Fluent
French	German
Advanced	Intermediate

### Volunteering

- Model ICAO
- European Youth Parliament
- Organising Airshows
- Student Associations

### Experience

#### Avionics Certification Engineer

Akkodis

2023 - Present

- Support to Airbus Designated Airworthiness Engineers (1IAA) in the capacity of Airworthiness MOD Leader and Major Change Coordinator
- Involvement in minor and major MODs approval in ATA 22, 23, 27, 31, 34, 42, 46, as well as cybersecurity-related, for all Airbus programmes
- Refining and implementing new Part-21-compliant processes

#### EUROCAE WG-114 (Artificial Intelligence in Aviation) Liaison

Akkodis

2023 - Present

- Involvement in writing standard ED-324/ARP6983 on behalf of Akkodis
- Creation of internal processes for certification of AI-based systems

#### Data Science Content Lead - Product Owner

StrataScratch

2021 - 2023

- Brought advanced features from idea to market
- Led a team of 10 data science content creators
- Played a crucial role in growing the user base by 400%

#### Data Science Consultant

ENVOL Junior Etudes

2021 - 2023

- Provided analytics for a company in the aeronautical sector
- Built from scratch a high-level web dashboard on global flight movements statistics from raw FlightRadar24 data

#### Junior Data Scientist

Q-Park

2019-2021

- Aided investment decision-making process of the company's top management by implementing an automated tool for predicting car park revenue in new locations

### Education

#### Master's Degree in International Air Transport System Engineering and Design

Ecole Nationale de l'Aviation Civile

2021 - 2023

##### Projects

- Design and analysis of Common Information System for U-Space
- Modeling of a remote piloting system including the development of an HMI for pseudo pilots
- Concept of operations and feasibility study for automated aircraft taxiing at the ATB platform

#### Bachelor's Degree in Data Science and Artificial Intelligence

Maastricht University

2018 - 2021