Tristan MAITRE

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11 September 1991

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SYSTEMS ENGINEER

Specialization - Aerospace & Complex Systems



Driven by my curiosity and attention to detail, I am a problem-solver and questionsasker, good at thinking in systems, communicating ideas, and adapting to change.

Holding a MSc in Aerospace Engineering and a BSc in Aviation, I have proven experience in the application of advanced methods in the fields of product quality & planning, requirement engineering, system design, testing, and certification.

My ambition is to enable sustainable solutions to real-world problems, with a special focus on the integration of new mobility technologies in society.

EXPERIENCE

11/2018 - 06/2020

APSYS Product Assurance & Safety Aerospace O Toulouse, France System Designer - Airbus Surveillance (ATA34) Design Office

Product development for more integrated & automated cockpit functions

- Perform technical analysis on requirements, constraints and business case
- Specify and model future systems for traffic, terrain & weather avoidance
- Liaise with flight operations, test, and suppliers to launch industrial phase

V&V Focal Point - A/C Condition & Monitoring (ATA31) Design Office

- Coordinate acceptance testing activities for Aircraft Data Collection function Implement a test strategy for each new embedded software standard
- Establish procedures for test bench, simulator and flight test
- Follow-up of suppliers for system delivery to the defined requirements

04/2018 - 10/2018 MSc in Aerospace Eng.

AIRBUS Operations SAS - Flight & Integration Tests • Toulouse, France Master Thesis - Avionics / Flight Management Testing

Assess the feasibility of Virtual Testing as a new test mean under DO-331

- Conduct feasibility study on integrating FMS software on virtual platforms
- Perform functional and back-to-back tests to assess representativeness
- Make recommendations to pursue virtual testing for system integration

. 09/2015 - 07/2016

Skyguide - Swiss Air Navigation Services Ltd. O Geneva, Switzerland Internship - Innovation & Change Management (ICM)

Support Head of ICM in defining new processes & methods at PMO level

- Develop a Company Roadmap to align functional and company strategies
- Propose a structure for the external funding in innovative projects

Submit an White Paper on innovation in the Air Traffic Management area

01/2012 - 09/2012

RUAG Aviation Subsystems & Products O Interlaken, Switzerland Internship - Sales and Marketing

Support product owners in producing factsheets, invoices, contracts and certification papers for MRO services and aviation sub-systems.

TECH SKILLS

BSc in

Aviation



MATLAB-Simulink UML, SysML





3DX CATIA Solidworks



Safety analysis Certification (ARP & RTCA Standards)





SOFT SKILLS



Solution-oriented System thinker





LANGUAGE SKILLS

FRENCH

NATIVE SPEAKER

ENGLISH

FLUENT (C1+)

GERMAN

PROFICIENT (B2)



Digital Making



Cognitive Sciences



Architecture & Design

REFERENCES

Contact & further references available upon request

David CARLU

Senior Surveillance System Designer | AIRBUS Operations SAS - Toulouse, FR

Raphaël MICHEL

Head of Operations Architecture & Portfolio Management | Skyguide - Geneva, CH

Moussa SFEIR

FMS Test Engineer - Avionics Testing | AIRBUS Operations SAS - Toulouse, FR