

## SUMMARY

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I'm a final-year engineer student at ELISA Aerospace, specializing in missile and space systems engineering, with a strong focus on propulsion. Passionate about advanced propulsion technologies, I have gained practical experience in simulation, modelling and programming applied to aeronautical and space systems. Motivated and autonomous, I'm keen to contribute to research and development in the field on propulsion.

## PROFESSIONAL EXPERIENCE

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### AIR TAHITI

August 2023 – November 2023

#### FLIGHT SAFETY AND SECURITY ENGINEERING INTERN

Entrusted with establishing new risk assessment capabilities for the Safety Management System Department through the strategic development of risk management tools:

- Developed and programmed a comprehensive Excel-based application for the integration, management, and visualization of 20+ bowtie diagrams, establishing the department's risk management framework.
- Innovated a data entry module for capturing and analyzing 1000+ events, assessing the effectiveness of safety barriers during flight incidents.
- Leveraged automation to advance statistical analysis, providing key insights into the efficacy of safety measures and supporting continuous improvement in flight safety practices.

### CIVIL AVIATION AUTHORITY OF FRENCH POLYNESIA

July 2021

#### AIRPORT OPERATOR INTERN

This internship focused on the critical analysis and management of operational incidents to enhance aviation safety and efficiency, with core responsibilities including:

- Conducting comprehensive evaluations of field reports to identify root causes of aviation events.
- Authoring 12 detailed and instructive RETEX/REX reports that provided field agents with a clear understanding of incidents, contributory factors, and the strategies for preventing recurrence.
- Developing and implementing corrective action plans in response to experiential feedback (RETEX/REX) from aviation personnel.

## TECHNICAL SKILLS

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|-----------------------|--------------------------|------------------------|
| • MATLAB & Simulink   | • C++                    | • Fluid Mechanics      |
| • 3DExperience CATIA  | • Python                 | • Thermodynamics       |
| • ANSYS Workbench     | • VBA                    | • Materials Resistance |
| • Autodesk Fusion 360 | • HTML, CSS, Java script | • Finite Element       |

## EDUCATION

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### ELISA AEROSPACE

2020 – Present

#### Aerospace Engineering Degree

- GPA : 3.6/4.
- Relevant coursework: Fluid Mechanics, Rocket Propulsion, Electronics, Thermodynamics, Microcontrollers, CAD, CFD, FEA.

## LANGUAGES

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| • English (C1 Level) | • French (native) | • Spanish (beginner) |
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