



# HADRIEN VINAY

## SYSTEMS ENGINEER

### SUMMARY

Embedded systems engineer with 3+ years of experience in the development, integration, and validation of critical systems in aeronautics, transportation, and secure payment industries. Rigorous and autonomous, with strong expertise in embedded software and test environments. Highly motivated to pursue a career in space and advanced aerospace technologies.

### PROFESSIONAL EXPERIENCES

#### Multipurpose Technician - Fixed-term

Vélos d'Albret | Arcachon | December 2024 - November 2025

Temporary work that allowed me to manage a bike shop and develop some mechanical skills while settling into my home in Arcachon

#### Embedded system engineer - CDI



SCALIAN | Paris | January 2020 - September 2022

Mission at Dassault Aviation as a test bench manager

- Development, integration and maintenance of avionics test benches (DO-178 standards)
- Developed and maintained automated avionics test scripts in C and Python, improving test coverage and reliability
- Implemented CI pipelines and version control workflows, improving test reliability and team collaboration
- Project management and documentations

#### R&D Software Engineer - internship/ CDI



GALITT | Paris | March 2019 - September 2019

- Consulting and services for secure payment and transaction systems
- Open Banking market research, development and integration of Web Services tools on Kanest to automate API testing

#### Design Engineer - internship

SETEC ITS | Paris | January 2018 - May 2018



- Mobility projects architect combining new technologies and transport systems.
- Contributed to the software and hardware documentation of next-generation RATP buses

### EDUCATION

#### ECE PARIS - 2014-2019

Engineering School - Embedded Systems Major

- Computer Science and Electronics Education
- C, C++, Java, Web, Network Programming
- Microcontrollers, Digital Signal Processing, Real-Time Applications

### CONTACT

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### SKILLS

#### Langages

C, C++, Python, Java, Ada, Shell, VBA, HTML/CSS, PHP, MySQL

#### Embedded Systems

microcontrollers, DSP, real time, embedded architectures, test benches

#### Tools and methods

Git, continuous integration, technical documentation, testing & validation, Jira, Confluence, VS Code

### ASSETS

- Autonomy
- Teamwork
- Curious
- Adaptability

### LANGUAGES

- English, bilingual
- Spanish, good knowledge

### INTERESTS

- Triathlon, Climbing
- Sciences, Astronomy
- Software Development