Tristan Jouve

Mathematics Undergraduate | Student Pilot | Computer and Spaceflight enthusiast | Aspiring Aerospace Engineer

Nîmes, France • tristanjouve26@gmail.com • tristansnook.com/resume • tristan-jouve-b8050a301

AgentKerbal

Skills

Coding Languages: Python (Advanced), Java (Intermediate)

Technical proficiency: Linux, Windows, Blender, LaTeX, GIMP, Vegas Pro, Vim

Languages: English (fluent - C1 TOEIC), French (native), German (A2 - DSD I)

Education

University of Nîmes – Nîmes, France — Sept 2024 – present
BS in Mathematics (still ongoing)

Emmanuel d'Alzon Institute (CPGE) — Sept 2023 – June 2024
Mathematics, Physics, and Engineering (MPSI)
Intensive preparatory program for highly competitive entrance exams to French engineering.

- Week long student exchange at Assumption University in Worcester, MA.

Emmanuel d'Alzon Highschool – Nîmes, France — Sept 2020 – June 2023
Baccalauréat in Mathematics, Engineering and Physics

- Graduated with Honors (Mention Assez Bien, ~3.2 GPA equivalent)

Projects

Personal Portfolio & Tech Blog — May 2026 – present
Designed, developed, and deployed a personal website to document software projects and technical interests.

- Implemented responsive design and optimized site performance.
- Authored articles on spaceflight.

Independent Research: 'THEY CAUGHT A ROCKET' — Apr 2025
Authored a technical analysis paper focusing on the aerospace engineering mechanics of the Starship first stage recovery maneuver.

- Analyzed the propulsion mechanics, aerodynamic descent, and structural capture systems of the Super Heavy booster.
- Applied fundamental physics to detail the flight dynamics of the mid-air recovery during Starship's fifth flight test.

Autonomous Arduino Robot — May 2023
Designed, programmed and built an autonomous line-following robot from scratch.

- Programmed control logic in C++ to process optical sensor data in real-time.
- Integrated microcontrollers, power management, and motor drivers into a cohesive system.
- Designed and 3D-modeled a custom physical chassis using SolidWorks.

Interests

Aviation: 35 hours flight training (Robin DR400); successfully completed PPL theoretical certification.

Spaceflight: Long time Kerbal Space Program player; closely follow the new space race.

Hardware Tinkering: Custom PC assembly, hardware diagnostics, component integration, tinkering and troubleshooting.