ANTOINE STEVAN

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Education

ISAE-SUPAERO — **Toulouse, France**
PhD Student (DRAGOON - 2022 65 0082), *Computer Science* — Jan 2023 – Dec 2026
Augment the DRAGOON project with academic publications and open-source software releases.

ISAE-SUPAERO — **Toulouse, France**
Engineer graduate, *Computer Science* — Sep 2019 – Aug 2022
Data Science & Decision Making (SDD) class:
- *Geometrical, probabilistic and connectionist approaches*
- *Commitee-based ML, Deep Learning and RL*
- *Stochastic optimization and evolutionary algorithms*

Georges Clemenceau High School — **Nantes, France**
Preparatory Class, *MPSI, MP+CS* — Sep 2017 – Jul 2019

Léonce Vieljeux High School — **La Rochelle, France**
High School, *Engineering sciences and Computer Science* — Sep 2014 – Jun 2017

Diploma

Engineer graduate (*ISAE-Supaero*)	2022
Bachelor's degree	2020
TOEFL PBT 607/677 (*B2/C1*)	2019
Baccalauréat (*Science and Computer Science*)	2017

Experience

Research Engineer (DRAGOON - 2022 65 0082) — **Jan 2023 – Dec 2026**
ISAE-SUPAERO — *Toulouse, France*
Develop and compare ZK protocols applied to sharing and distributing data on peer-to-peer networks.

Intern — **Sep 2022 – Dec 2022**
ISAE-SUPAERO — *Toulouse, France*
Develop a native compiler for Oberon with the LLVM backend.

3rd Year Internship — **Apr 2022 – Aug 2022**
InstaDeep (*instadeep.com*) — *Paris, France*
Advance research and help firms with Multi-Objective RL (MORL).
- *Explore and benchmark existing MORL algorithms*
- *Propose and implement new techniques using RL research*
- *Give concrete solutions to be deployed as production tools*

2nd Year Internship — **Jul 2021 – Aug 2021**
ISAE-SUPAERO (SuReLI lab: *sureli.github.io*) — *Toulouse, France*
Continuation of the previous research topic of my PIR project:
- *Further in the disentanglement model & learning technique*

Innovation & Research Project (PIR) — **Jan 2021 – Jul 2021**
ISAE-SUPAERO (SuReLI lab: *sureli.github.io*) — *Toulouse, France*
First research experience leading to a paper with academic level.
Title: Applying Disentanglement for Domain Adaptation to RL.
- *Key questions and techniques of disentanglement*
- *Short paper submitted to the ISAE-Supaero*

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Projects

Core maintainer of Nushell, “A new type of shell” (*nushell.sh*)
2023/03 - 2026/05 (now *alumni*)

VP of the ISAE-Supaero Computer Science Club
2020 - 2023 (now *alumni*)

Skills

Natural languages	French (native), English (fluent)
Systems	GNU/Linux, VMs
Programming languages	Arduino, Assembly, C, Nushell, OCamL, Oberon, Processing, Python, Rust
Markup languages	Typst, LaTeX, Markdown
Database Management	MySQL, PostGreSQL, Redis
Python Frameworks	JAX, PyTorch, NumPy, Pandas, SciPy, Scikit-Learn
CLI	Nushell, Bash, sh, Git, GnuPG, SSH, Docker
Web	HTML, CSS, JavaScript
Miscellaneous	Jupyter, Google Colab, Spreadsheet, Gimp, Blender