Valentin Oncle

Student at ISAE-SUPAERO

Languages

French - Mother tongue

English - Advanced (C1)

German - Intermediate (B1)

Russian - Low intermediate (A2)

Programming

C

Java

Python

Matlab/Simulink

LateX

Extracurricular Activities

Member of clubs at ISAE-SUPAERO:

- President of the Astronomy Association : Organizing observation outings and event for promoting and popularizing science
- President of the Chocolate Club
- Supaero Space Section: Designing experimental rockets
- Speleology / Canyoning.

Sports

Judo (2017 French Cadet Championship) / Rock climbing / Scuba diving

Music

Piano

Contact

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28 Clos Robert Street
37 170 Chambray-lès-Tours, France

Experience

Research internship at IRAP, Toulouse — March-July 2024

Using hydrodynamic simulations and radiative transfer calculations, the subject was to find a theoretical model explaining the unusual structures observed in the protoplanetary disk MWC 758.

One-month internship at Midi-Pyrénées Observatory — July 2023

Exploration of the operations of an astronomical observatory, including spending a week at the Pic du Midi Observatory

Involvement in the launch of a small rocket — May 2023

As part of the PERSEUS project with CNES (the French space agency), I participated in the launch at Esrange, located in northern Sweden

Humanitarian trip to Morocco — 2018

Promotion of oral health among schoolchildren in the High Atlas region for one week

Education

ISAE-SUPAERO Engineering Degree (MSc) — 2022 - 2026
Toulouse, France

Courses :
Applied Mathematics, Fluid Mechanics, Thermodynamics, Quantum Physics, Particle Physics, Computer Science, Space Mechanics, Thermal Transfer Physics...

Classes préparatoires aux Grandes Ecoles — 2020 - 2022
Lycée Descartes, Tours, France

Rigorous two-year program preparing students for entrance exams to top engineering schools with a focus on mathematics, physics, and chemistry

Project
Is it possible to deflect as asteroid by painting a part of its surface?