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 23 years
 French driver license B

SKILLS

C/C++ Python Rust MATLAB Bash
 FORTRAN
 SPICE Cosmographia
 Celestial mechanics
 Atmospheric entries
 Asteroid thermal modelling
 Camera simulations
 Trajectory propagations
 Forward models
 Parallelization & asynchronous

PARTICIPATIONS

EGU 2020 Small Bodies Open (Asteroids, Comets, Meteoroids, and Dust)
 HERA TIRA CPR meeting at ESA ESTEC
 Hackathons: ActInSpace,
 THALES CodinGame
 IPSAONE

PERSONAL PROJECTS

Solar system modelling
 Earth-Mars optimisation voyage
 Satellite orbit modelling
 Star apparent position correction
 Huygens entry onto Titan

HOBBIES

Tennis, Soccer, Volley & Piano
 Sci-fi books & cinema
 Coding
 Teaching

EXTRA

Teaching physics & math for high school

Grégoire Henry

Space engineer

Looking for a Ph. D in space related fields

\$ cat /home/greg/doc/resume.txt

A fan of space coding trajectory simulations in his bedroom all day long. I dream of space and travels. I would love to start an abroad Ph. D in astrophysics, planetology, galaxy formation, ... My goal for the future is to work for an Observatory in Chile, Hawaii or New-Zealand. I have a post-it note to remember there is a life outside programming, so I play piano, read books, do sports, and try amap to teach younger fellows.

EXPERIENCES



Observatoire de Paris | PSL

8 months

Instrument Design Engineer

CDD

Sep. 2020 – Now · 1 month
Meudon, France

+ Radio-frequency test bench sizing for the interplanetary cubesat mission concept BIRDY
 + Orbit reconstruction (trajectories, mass determination, POD, MONTE)

Traineeship

Feb. 2020 – August 2020 · 6 months
Lieu Meudon, France

Radio-frequency test bench sizing for the interplanetary cubesat mission concept BIRDY



LESIA

Laboratoire d'Études Spatiales et d'Instrumentation en Astrophysique



Royal Observatory of Belgium

8 months

Master project

Oct 2019 – Jan 2020 · 4 months
Uccle, Belgium

Traineeship continuation.

Traineeship

Jun 2019 – Sep 2019 · 4 months
Uccle, Belgium

Simulations of thermal camera images (TIRA) from a spacecraft around asteroid (NASA/NAIF SPICE, shape models, thermal model, camera) for the HERA mission.



Thales Alenia Space

Traineeship

Jul 2017 – Aug 2017 · 2 months
Toulouse, France

Automation & optimization of files/codes to analyze supplier's production.

FORMATIONS



Institut Polytechnique des Sciences Avancées

Aerospace engineering school

2015 – 2020 · 5 years

Toulouse & Paris, France

Major: system (math & code)

Minor: Space, launchers & satellites



Korea University of Technology and Education

Abroad semester in university

Aug 2018 – Jan 2019 · 6 months

Cheonan, South Korea

Mechatronics, Ordinary differential equation, Numerical methods