



THOMAS HOULLIER

Optical Engineer

FACTS

- French citizen
- Born 1994
- Neuilly sur Marne, France
- Driver's license

Areas of specialization

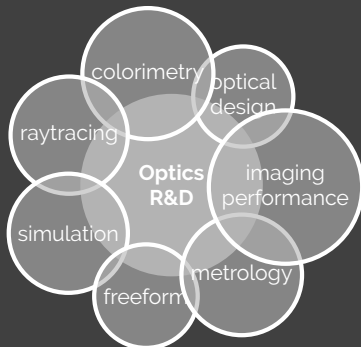
Optical Design · Numerical Simulation · R&D · Algorithms

SKILLS

Languages

- French: mother tongue
- English: [Progress indicator]
- German: [Progress indicator]

Subjects



Software & Programming

- OpticStudio [Progress bar]
- FreeCAD [Progress bar]
- Python [Progress bar]
- C++ [Progress bar]
- R/Matlab [Progress bar]
- Common Lisp [Progress bar]
- Shell [Progress bar]
- Linux [Progress bar]
- CodeV [Progress bar]
- Emacs/Vim [Progress bar]
- L^AT_EX [Progress bar]
- Git [Progress bar]
- Octave [Progress bar]



SHORT RESUMÉ

Present Oct 2020	R&D Engineer SOPHIA ENGINEERING · Valbonne Space Optics Engineering.	
Oct 2020 Oct 2017	PhD student SOPHIA ENGINEERING & LAB. HUBERT CURIEN · Valbonne & Saint-Etienne Design and Metrology of Freeform Space Imagers.	
Sep 2017 Mar 2017	Intern THALES OPTRONIQUE · Elancourt Colorimetry and Vision R&D.	
Jul 2016 May 2016	Intern OCA · Calern Observatory Optical Design for the Hypertelescope: Imaging Stellar Interferometer	

DEGREES

- 2021 **Optics**
PHD · Univ. Jean Monnet
- 2017 **Optical Engineering**
MASTER · Institut d'Optique Graduate School
- 2017 **Advanced Imaging and Material Appearance**
MASTER · Univ. Jean Monnet

HOBBIES

- Algorithms
- Sysadmin
- Science Lit.
- Sport

STRENGTHS

- curious
- independent
- organized

WHAT I LOOK FOR

- Projects that allow me to develop **new skills**.
- Experienced colleagues** willing to share knowledge.
- Serious people** not taking things too seriously.

PUBLICATIONS

2019 *Comparing optimization algorithms for conventional and freeform optical design, Optics Express*

TALKS

2019 *Optical design and optimization strategies: state of the art and future developments, Workshop on Machine-Learning-Assisted Image Formation*