

# Baptiste Nicolet

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*PhD student at EPFL*

## Education

- 2020 - Today **PhD, Computer Science, EPFL**, Lausanne, Switzerland.  
PhD student in the Realistic Graphics lab, supervised by Prof. Dr. Wenzel Jakob. Working on differentiable rendering.
- 2019 - 2020 **M.S., Computer Science, Télécom Paris**, Palaiseau, France.  
"Computer Graphics and Human-Computer Interaction" track.
- 2018 - 2019 **M.S., Computer Science, École polytechnique**, Palaiseau, France, *3.87 GPA*.  
"Image, Vision, and Machine Learning" track.
- 2016 - 2018 **Gradué en Ingénierie (Bachelor equivalent), École polytechnique**, Palaiseau, France, *3.62 GPA*.  
Multidisciplinary education in Computer Science and Mechanics, including Biology, Economy, Chemistry...
- 2014 - 2016 **Classes Préparatoires, Collège Stanislas**, Paris, France, *4.0 GPA*.  
As France's most prestigious universities (Grandes Écoles) select their student from a highly competitive entrance examination, students must go through two years of intense and competitive classes, called *Classes préparatoires*

## Publications

- May 2020 **Repurposing a relighting network for realistic compositions of captured scenes**, *Proceedings of the ACM SIGGRAPH Symposium on Interactive 3D Graphics and Games, May 2020*.  
Baptiste Nicolet, Julien Philip, George Drettakis.
- May 2020 **Pair correlation functions with free-form boundaries for distribution inpainting and decomposition**, *Eurographics, 2020*.  
Baptiste Nicolet, Pierre Ecornier-Nocca, Pooran Memari, Marie-Paule Cani.

## Professional Experience

### Teaching

- 2021 - Today **Teaching Assistant, EPFL**, Lausanne, Switzerland.  
Teaching assistant in Bachelor and Master level courses.
- 2017 - 2018 **Teaching Assistant, Collège Stanislas**, Paris, France, *2h/Week*.  
In charge of weekly oral examinations in mathematics for students in their first year of *Classes Préparatoires* (equivalent to first-year undergraduates).

### Internships

- 2019 **Research Intern**, *INRIA*, Sophia-Antipolis, France,  
Supervisor: **Prof. Dr. George Drettakis**.
- Explored using a relighting network to allow compositions of IBR scenes.
  - Work published at *13D 2020*.
- 2018 **Software Developer Intern**, *PM SCADA*, Montréal, Canada.
- 3-month internship working along with the Montréal computer science research center (CRIM) to develop innovative solutions in cybersecurity.
  - Designed and programmed automated penetration testing tools.
- 2016 - 2017 **Emergency Response Team Leader**, *Paris Military Fire Brigade (BSPP)*, Vitry-sur-Seine, France.
- Leader of an emergency response vehicle (3 EMTs).
  - Managed urgent and difficult emergency situations, during 24h shifts.
  - Coached servicemen for promotion exams.

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## Skills

- Programming C++, Python, Java
- Frameworks OpenGL/GLSL, PyTorch, TensorFlow/Keras
- Software Illustrator, Photoshop, Premiere, After Effects, Blender, Git
- Languages French - *Native*; English - *Fluent (TOEFL 115)*; Spanish - *Intermediate*; German - *Beginner*

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## Interests

- Sports swimming, CMAS three-star scuba diver, ski, sailing, bouldering
- Arts guitar, piano, drawing, filmmaking, 3D animation.