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# Gaétan Berthe

PhD student at the LIRMM lab in Montpellier

## Education

<b>PhD in Computer Science</b> LIRMM, supervised by Marin Bougeret and Jean-Florent Raymond	2022 - Montpellier
<b>ENS de Lyon Diploma</b> École Normale Supérieure de Lyon	2018 - 2022 Lyon
<b>Master of research in Theoretical Computer Science</b> École Normale Supérieure de Lyon	2019 - 2021 Lyon
<b>Bachelor degree in Theoretical Computer Science</b> École Normale Supérieure de Lyon	2018 - 2019 Lyon
<b>Bachelor degree in Mathematics</b> Université Lyon 1	2018 - 2019 Lyon
<b>Higher School Preparatory Class MPSI / MP*</b> Lycée Descartes	2015 - 2018 Tours

## Internships

<b>5 months research internship</b> Counting logic on structurally sparse graph classes Supervised by Peter Rossmanith	February 2022 - July 2022 RWTH, Aachen, Deutschland
<b>4 months research internship</b> Mimicking network Supervised by Marin Bougeret, Daniel Gonçalves and Dimitrios Thilikos	October 2021 - January 2022 LIRMM, Montpellier, France
<b>5 months research internship</b> Node embedding by effective resistances Supervised by Michel Habib, Mohammed Haddad and Hamida Seba	February - June 2021 Remote work LIRIS, Lyon
<b>3 months research internship</b> Complexity of the L(a,b)-Edge Labelling Supervised by Barnaby Martin	April - July 2020 Remote work Durham University, UK
<b>6 weeks research internship</b> Minimal uncompletable word Encadré par Sandrine Julia et Julien Provillard	June - July 2019 I3S, Sophia Antipolis, France

## Publication in conferences

<b>The complexity of the L(p,q)-Edge Labelling</b> G. Berthe, Barnaby Martin, Daniel Paulusma, Siani Smith	WALCOM 2022
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## Languages and skills

**Languages :** french (native), english (certification C1 Advanced)  
**Computer science skills :** Python, C, C++, OCaml,  $\LaTeX$ , Git,  
Programming contest (participant of SWERC 2020),  
Web (HTML, CSS, javascript, SQL).