# Thomas Besnier

✉ thobsn1@gmail.com   🐦 @ThomasBesnier11   in Thomas Besnier
🌐 https://tbesnier.github.io/

## Employment History

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|---|---|
| Nov 2022 – ···· | 🔖 **Ph.D.** CRIStAL, University of Lille |
| Apr 2022 – Sep 2022 | 🔖 **Research internship** DIKU, University of Copenhagen |
| Feb 2020 – Jan 2021 | 🔖 **Data scientist intern** Electro-dépôt (retail company) |

## Education

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|---|---|
| 2022 – ···· | 🔖 **Ph.D., University of Lille** <br> Thesis title: *Geometric deep learning on manifold meshes* |
| 2018 – 2022 | 🔖 **M.Sc. Computer Science Engineering** in Centrale Lille Institut. <br> Research internship title: *On stochastic shape analysis and applications to phylogenetics*. |
| | 🔖 **M.Sc. Mathematics** in University of Lille. <br> Thesis title: *On reparameterization invariance and applications to geometric neural networks*. |

## Research Publications

### Journal Articles

**1** T. Besnier, E. Pierson, S. Arguillère, and M. Daoudi, "Toward mesh-invariant 3d generative deep learning with geometric measures," *Computers & Graphics*, 2023, ISSN: 0097-8493. 🔗 DOI: https://doi.org/10.1016/j.cag.2023.06.027.

### Conference Proceedings

**1** E. Baker, T. Besnier, and S. Sommer, "A function space perspective on stochastic shape evolution," in *Image Analysis*, R. Gade, M. Felsberg, and J.-K. Kämäräinen, Eds., Cham: Springer Nature Switzerland, 2023, pp. 278–292, ISBN: 978-3-031-31438-4.

**2** E. Pierson, T. Besnier, M. Daoudi, and S. Arguillère, "Parameterization Robustness of 3D Auto-Encoders," in *Eurographics Workshop on 3D Object Retrieval*, S. Berretti, T. Thehoaris, M. Daoudi, C. Ferrari, and R. C. Veltkamp, Eds., The Eurographics Association, 2022, ISBN: 978-3-03868-174-8. 🔗 DOI: 10.2312/3dor.20221180.

## Skills

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| Languages | 🔖 Strong reading, writing and speaking competencies for English and French (mother tongue). |
| Coding | 🔖 Python, SQL, LaTeX, … |
| Databases | 🔖 MySQL, PostgreSQL, SparkSQL |
| Web Dev | 🔖 Html, css, JavaScript |
| Misc. | 🔖 Academic research, teaching, LaTeX typesetting and publishing. |

## Teaching

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| Time series analysis | 🔖 | 12h |

## Teaching (continued)

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| Web development | ▌ | 32h |
| Machine learning | ▌ | 10h |
| Introduction to deep learning | ▌ | 20h |