

Baptiste Genest

PhD Student in Geometry Processing

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Supervised by David Coeurjolly

Education

- 2023–2024 **Master 2 “Maths en Action”**, Université Lyon 1
Research in Applied Mathematics
- 2022–2023 **Master 1 Computer Science**, Université Lyon 1
Rank: 1/70 + 4 Applied Math courses (Rank: 2/30)
- 2019–2022 **Licence CS (major) / Math (minor)**, Université Lyon 1
Rank: 1/20 among “bi-licence” CS/Math students

Experience

- Apr–Sep 2024 **Research Internship, Adobe**
Topic: Real-time parameterization of implicit surfaces.
- Summer 2023 **Research Internship, with David Coeurjolly**
Topic: Non-Euclidean Sliced Optimal Transport
- Summer 2022 **Research Internship, with David Coeurjolly**
Topic: Discrete differential operators on polygonal meshes

Publications

- 2025 **Implicit UVs: Real-time semi-global parameterization of implicit surfaces**
Eurographics 2025 - B. Genest, P. Gueth, J. Levallois, S. Wang
- 2024 **Non-Euclidean Sliced Optimal Transport Sampling**
Eurographics 2024 - B. Genest, N. Courty, D. Coeurjolly - Best Paper Award

Conferences

- 2025 Presentation at Eurographics (EG 25)
- 2024 Attended “Geometry & Computing” @ CIRM
- 2024 Presentation at Eurographics (EG 24)
- 2023 Attended Symposium on Geometry Processing (SGP 23)
- 2022 Remote attendance of SGP 22