

Vincent Bridonneau

E-mail : vinc.bridonneau@gmail.com
Phone : +33 6 58 39 31 71

Office : Université Le Havre Normandie,
Le Havre, 76600, France

DIPLOMAS

PhD in Computer Science (Dynamic Graphs) *2020 - 2024*

École Doctorale Mathématiques, Informatique, Ingénierie des Systèmes, Le Havre, France

| *Subject* : Generation and Analysis of Dynamic Graphs
| at LITIS, supervised by Frédéric Guinand

Engineer in Computer Science (High Performance Computing) *2017 - 2020*

Bordeaux Institute of Technology - ENSEIRB-MATMECA School of Engineering, France

| *Skills* : C (MPI, OpenMP, BLAS), C++, Python (Pandas, Matplotlib)
| *Thesis* : Selective instrumentation for checking parallel applications. *Feb 2020 - Sep 2020*
| at National Institute for Research in Digital Science and (INRIA Bordeaux), supervised by Emmanuelle Saillard-Virouleau

EXPERIENCE

Research and Teaching Assistant *2023 - 2025*

University of Le Havre, France

| *Subjects* : Generation and Analysis of Dynamic Graphs

Internship *Feb 2020 - July 2020*

National Institute for Research in Digital Science and Technology

| *Subjects* : Selective instrumentation for checking parallel applications.

Internship *June 2019 - Sep 2019*

Inovative Computing Laboratory Knoxville, TN, USA

| *Subjects* : Comparative study of different fault tolerance strategies in high performance computing applications

TALKS

Quantifying and Qualifying Temporal Graph Dynamics

| *ANR project TEMPOGRAL*, Honfleur, France *Feb 7, 2024*

Generation and Analysis of Dynamic Graphs

| *LITIS, PhD defense*, Le Havre, France *Dec 3, 2024*

SCIENTIFIC PUBLICATIONS AND PREPRINTS

Asymptotic Dynamic Graph Order Evolution Analysis (Special Issue)

| The 3rd edition of the French Regional Conference on Complex Systems
| Applied Network Science, Volume 9, Article 21
| <https://appliednetsci.springeropen.com/articles/10.1007/s41109-024-00615-5>

Dynamic Graphs Generators Analysis : an Illustrative Case Study

| 2nd Symposium on Algorithmic Foundations of Dynamic Networks
| Article No. 8 ; pp. 8 :1–8 :19
| <https://drops.dagstuhl.de/storage/00lipics/lipics-vol257-sand2023/LIPIcs.SAND.2023.8/LIPIcs.SAND.2023.8.pdf>

DynamicScore : A Novel Metric for Quantifying Graph Dynamics

| Complex Networks & Their Applications XII
| Springer Nature Switzerland, 2023. p. 435-444
| <https://arxiv.org/pdf/2309.05320>

Persistence of Information in Dynamic Graphs

| The 4th edition of the French Regional Conference on Complex Systems
| Conference version published

TEACHING (\approx 515 HOURS)

University of Le Havre

Algorithms and programming (1 st year Bachelor of CS)	2022-2025
Operating Systems (2 nd year Bachelor of CS)	2022-2025
Python Language (1 st year Bachelor of CS)	2023-2024
Digital Skills Certification (1 st year Bachelor of CS)	2022-2024

SUPERVISION OF INTERNS

Adrien Delmastro (L3 University Le Havre Normandie)	summer 2024
--	-------------

| *Internship* : Analysis of Network Evolution and Dynamics
| at LITIS, co-supervised with Yoann Pigné

Lyes Sadaoui (L3 University Le Havre Normandie)	summer 2025
--	-------------

| *Internship* : Analysis of Temporal Graphs Generator | at LITIS
