Curriculum Vitæ

Name :	Jason Schoeters	**Phone number :**	+33 678263949
Nationality :	Belgian	**Office :**	LITIS office B101,
Age :	29		25 rue Philippe Lebon,
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EXPERIENCE

Postdoctoral research fellow *2021 - 2022*
University of Le Havre, France
| *Subjects* : Components and dense spanners in temporal graphs
| at LITIS, collaborating with Eric Sanlaville

Research and teaching assistant *2020 - 2021*
University of Bordeaux, France
| *Subjects* : Structural and algorithmic geometrical problems
| at LaBRI

EDUCATION

Visiting graduate student *winter 2020*
Simon Fraser University, Vancouver, Canada
| *Subjects :* Gossiping, Influence diffusion, Temporal spanners
| at School of computing, invited by Joseph G. Peters

PhD candidate in Computer Science *2017 - 2020*
École doctorale Mathématiques et Informatique, Bordeaux, France
| *Subject* : Contributions to temporal graph theory and mobility-related problems
| at LaBRI, supervised by Arnaud Casteigts

Master of Theoretical Computer Science *2015 - 2017*
Collège Sciences et technologies, Université de Bordeaux, France
| *Internship* : VectorTSP *summer 2017*
| at LaBRI, supervised by Arnaud Casteigts

Bachelor of Computer Science *2012 - 2015*
Collège Sciences et technologies, Université de Bordeaux, France
| *Internship* : Image processing, network theory and graphical art *summer 2013*
| at LaBRI, supervised by Guy Melançon

PUBLICATIONS

VectorTSP : A Traveling Salesperson Problem with Racetrack-like acceleration constraints
| A. Casteigts, M. Raffinot, J. Schoeters
| Under revision for Discrete Applied Mathematics *2022+*
| 16th Int. Symposium on Algorithms and Experiments for Wireless Sensor Networks *2020*
| **ALGOSENSORS**

Temporal Cliques Admit Sparse Spanners
| A. Casteigts, J.G. Peters, J. Schoeters
| Journal of Computer Systems and Science, Elsevier (JCSS), Vol. 121, 1-17 *2021*
| 46^{th} Int. Colloquium on Automata, Languages, and Programming *2019*
| **ICALP**

SOFTWARE DEVELOPMENT

VectorTSP competition *2021*
| Java program computing VectorTSP benchmarks with multiPointAStar algorithm
| available on `https://github.com/jschoete/competitionVectorTSP`

Estimation, approximation and exact computation of overlapping canopied areas *2021*
| Java program computing canopied areas covered by given buffer zone
| with Clément Larue
| available on `https://github.com/jschoete/CanopyAreaComputer`

Mobility models inducing temporal graph properties *2021*
| Java library using JBotSim for inducing temporal graph properties in MANET
| with Arnaud Casteigts
| available on `https://github.com/jschoete/mobilitymodels`

Automatic analysis of large DNA genotyping data *2020*
| Java program analyzing Excel data files for DNA parent/child mismatches
| with Clément Larue
| available on `https://github.com/jschoete/mismatchfinder`

TALKS

Estimation, approximation and exact computation of overlapping canopied areas
| *Heudiasyc CID seminar*, Compiegne, France *April 12 2022*

Notes on the maximum number of labels for temporal spanners
| *Temporal graphs seminar*, Dagstuhl, Germany (online) *April 28 2021*

Contributions to temporal graph theory and mobility-related problems
| *LaBRI PhD defense*, Bordeaux, France *March 29, 2021*

VectorTSP : A Traveling Salesperson Problem with Racetrack-like acceleration constraints
| *AlgoTel*, La Rochelle, France *September 22, 2021*
| *LITIS RI2C seminar*, Le Havre, France *June 15, 2021*
| *TU Berlin Algorithmics Colloquium*, Berlin, Germany (online) *December 8, 2020*
| *LaBRI distributed algorithms seminar*, Bordeaux, France *September 14, 2020*
| *ALGOSENSORS*, Pisa, Italy (online) *September 10, 2020*

Racetrack and VectorTSP
| *SFU Theory Seminar*, Vancouver, Canada *March 2, 2020*

Temporal Cliques Admit Sparse Spanners
| *ROADEF*, Lyon, France *February 24, 2022*
| *LIP6 complex networks seminar*, Paris, France *November 10, 2020*
| *SFU Discrete Maths Seminar*, Vancouver, Canada *February 18, 2020*

| *AlgoTel*, Narbonne, France (**best student paper award**) *June 4 - 7, 2019*
| *Workshop CoA*, Roscoff, France *April 3 - 5, 2019*
| *LaBRI distributed algorithms and graphs seminar*, Bordeaux, France *March 11, 2019*
| *Journées Graphes et Algorithmes*, Grenoble, France *November 14 - 16, 2018*

STUDENTS

Esteban Christiann (L3 ENS Paris-Saclay) *summer 2022*
| *Internship* : Dense spanners and related problems
| at LITIS, co-supervised with Eric Sanlaville

Valentin Pasquale (L3 ENS Lyon) *summer 2019*
| *Internship* : Spanners in temporal graphs
| at LaBRI, co-supervised with Arnaud Casteigts

TEACHING (≈ 350 HOURS)

University of Bordeaux
| Mobility algorithms (2^{nd} year Master of Networking) *2020-2021*
| Automata theory (3^{rd} year Bachelor of CS)
| Techniques for algorithms and programming (3^{rd} year Bachelor of CS)
| Excel and CS basics (2^{nd} year Bachelor of Economics and Management)
| Array algorithms (1^{st} year Bachelor of Math and CS, **course given in English**)
| CS basics (1^{st} year Bachelor of Math and Science)
| CS specialty (1^{st} year Bachelor of Math and Science)
| Mobility algorithms (2^{nd} year Master of Networking) *2019-2020*
| Array algorithms (1^{st} year Bachelor of Math and CS)
| CS basics (1^{st} year Bachelor of Math and Science)
| Basic data structure algorithms (2^{nd} year Bachelor of CS) *2018-2019*
| Networking (2^{nd} year Bachelor of CS)
| Basic data structure algorithms (2^{nd} year Bachelor of CS) *2017-2018*
| Array algorithms (1^{st} year Bachelor of Math and CS)

Bordeaux highschools
| MATh.en.JEANS (≈ 14-year olds) *2018-2019*
| Maths à modeler (≈ 17 year olds) *2017-2018*

SERVICE

| AlgoTel : program committee member *2022*
| AlgoTel : graph session chair *2021*
| Société Informatique de France : member *2020*
| AlgoTel : shadow program committee member
| IWOCA : organizing committee member
| LaBRI AlgoDist seminar : co-organiser *2019-2021*
| PhD student association Afodib : secretary and seminar organizer *2018-2021*
| FCT : organizing committee member *2017*