Curriculum Vitæ

Name :	Jason Schoeters	**Phone number :**	+33 678263949
Nationality :	Belgian	**Office :**	LITIS office B101,
Age :	29		25 rue Philippe Lebon,
Website :	https://jschoete.github.io		76063 Le Havre, France
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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*
| 46th 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 ($\approx$ 350 HOURS)

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

Bordeaux highschools
| MATh.en.JEANS ($\approx$ 14-year-olds)   *2018-2019*
| Maths à modeler ($\approx$ 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*
$\approx$ 30 reviews for multiple conferences and journals	*2017 - present*

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