

Curriculum Vitæ

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ACADEMY

Research and teaching assistant	<i>2020 - 2021</i>
University of Bordeaux, France	

EDUCATION

Visiting graduate student	<i>February 2020</i>
Simon Fraser University, Vancouver, Canada	
<i>Subjects :</i> Gossiping, Influence diffusion, Temporal spanners	
invited by Joseph G. Peters	

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

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

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

PUBLICATIONS

VectorTSP : A Traveling Salesperson Problem with Racetrack-like acceleration constraints	
A. Casteigts, M. Raffinot, J. Schoeters	
16th Int. Symposium on Algorithms and Experiments for Wireless Sensor Networks	<i>2020</i>
ALGOSENSORS	

Temporal Cliques Admit Sparse Spanners	
A. Casteigts, J.G. Peters, J. Schoeters	
46 th Int. Colloquium on Automata, Languages, and Programming	<i>2019</i>
ICALP	

SOFTWARE DEVELOPMENT

Mobility models inducing temporal graph properties	<i>2021</i>
Java library using JBotSim	
with Arnaud Casteigts	
available on https://github.com/jschoete/mobilitymodels	
Automatic analysis of large DNA genotyping data	<i>2020</i>
Java executable treating Excel files	
with Clément Larue	
available on https://github.com/jschoete/mismatchfinder	

TALKS

Notes on the number of labels per edge maintaining temporal connectivity	
<i>Temporal graphs seminar</i> , Dagstuhl, Germany (online)	<i>April 28, 2021</i>
VectorTSP : A Traveling Salesperson Problem with Racetrack-like acceleration constraints	
<i>TU Berlin Algorithmics Colloquium</i> , Berlin, Germany (online)	<i>December 8, 2020</i>
<i>LaBRI distributed algorithms seminar</i> , Bordeaux, France	<i>September 14, 2020</i>
<i>ALGOSENSORS</i> , Pisa, Italy (online)	<i>September 10, 2020</i>
Racetrack and VectorTSP	
<i>SFU Theory Seminar</i> , Vancouver, Canada	<i>March 2, 2020</i>
Temporal Cliques Admit Sparse Spanners	
<i>LIP6 complex networks seminar</i> , Paris, France	<i>November 10, 2020</i>
<i>SFU Discrete Maths Seminar</i> , Vancouver, Canada	<i>February 18, 2020</i>
<i>AlgoTel</i> , Narbonne, France (best student paper award)	<i>June 4 - 7, 2019</i>
<i>Workshop CoA</i> , Roscoff, France	<i>April 3 - 5, 2019</i>
<i>LaBRI distributed algorithms and graphs seminar</i> , Bordeaux, France	<i>March 11, 2019</i>
<i>Journées Graphes et Algorithmes</i> , Grenoble, France	<i>November 14 - 16, 2018</i>

STUDENTS

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

REVIEWS

Journal of Interconnection Networks	<i>2021</i>
Theoretical Computer Science	
Journal of Computer and System Sciences	
Theoretical Computer Science	<i>2020</i>
ALGOSENSORS	
AlgoTel	
Journal of Computer and System Sciences	
International Symposium on Mathematical Foundations of Computer Science	<i>2019</i>
Discrete Applied Mathematics	
CoRes	<i>2018</i>

TEACHING

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)	

MEMBER

	Société Informatique de France	2020
	Shadow PC AlgoTel	
	Organizing committee IWOCA (website creator : https://iwoca2020.labri.fr/)	
	Organizing committee seminar AlgoDist at LaBRI*	2019
	PhD student association Afodib, as secretary and seminar organizer	2018
	MATh.en.JEANS	
	Organizing committee FCT	2017
	Maths à modeler	

SUMMER SCHOOLS

	École de Jeunes Chercheurs en Informatique Mathématique	2020
	ResCom (assistant and attendant)	2019

EVENTS OTHERWISE ATTENDING/ATTENDED

	Journée SIF Pandématique (online)	2020
	Journées Graphes et Algorithmes (online)	
	GraphMasters workshop (online)	
	International Workshop on Graph-Theoretic Concepts (online)	
	ICALP Algorithmic Aspects of Temporal Graphs (online)	
	French-Israeli Laboratory on Foundations of Computer Science	2018
	Journées Complexité et Algorithmes	
	Journées Graphes et Algorithmes	2017

*. still applies today