sébastien**rey-coyrehourcq**

Geomatics engineer

about

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France

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languages

english notions

programming

Scala
Python, ObjC
CSS3 & HTML5

GIS software

QGIS / ArcGis 9.3
Postgis
GeoServer

CAD

Illustrator
Indesign
Photoshop

interests

complex systems, geography, geomatics, agent-based modelisation,
spatial data mining, spatial data visualization

education

since 2010	**Ph.D.** candidate in Geography	UMR 8054, Geographie-Cités
	A collaborative and modular geomatics platform for urban systems simulations	
2008-2009	**Md of Geographic Information Systems Engineer**	Université Paris 1 - Paris 7 - ENSG
	Specialization in Geographic Information Sciences	
2004–2006	**Md. of Computer Science**	Université de Pau et des pays de l Adour (UPPA)
	Specialization in 3D vizualization	
2003–2004	**Bd. of Computer Science**	Université de Pau et des pays de l Adour (UPPA)
	Specialization in Web design and Multimedia	
2001–2003	**Ad. of Computer Science**	Université de Pau et des pays de l Adour (UPPA)
	Specialization in software engineering	
2001	**French Baccalauréat S.**	Lycée René Cassin, Bayonne
	Specialization in biology	

awards and honor

R2DS (Réseau de Recherche sur le Développement Soutenable)
Ile-de-France 2010

experience

05–10 2009	**UMR8504 Geographie-Cités/CNRS, Paris**	Research Internship.
	Multiple local development on Simpop2 Agent Based Model.	
01–02 2009	**UMR8504/Geographie-Cités/CNRS, Paris**	Research Internship.
	Development of Accessim with Netlogo ABM platform.	
07–08 2006	**Aiec.fr**	Summer job.
	Development of an institutional website.	
06–09 2004	**Novaldi, Bayonne**	Professional Internship.
	Development of multiple institutional website.	

educational

2011-2012	**Discussion Sections (TD)**	Md. of Geographic Information Systems Engineer
	Algorithmic and VBA programming language introduction, 40h	
2010-2011	**Discussion Sections (TD)**	Md. of Geographic Information Systems Engineer
	VBA programming language introduction, 28h	
2009-2010	**Discussion Sections (TD)**	Md. of Geographic Information Systems Engineer
	Management of VBA project, 12h	

scientific activities

June 2012	**MAPS-4 workshop**	http://maps.csregistry.org/home
	4th edition of the RNSC workshop MAPS (Multi Agent Modeling Applied to Spatialized Phenomena)	
October 2011	**MAPS-3 workshop**	http://maps.csregistry.org/home
	3th edition of the RNSC workshop MAPS	
since 2011	**Element'R workshop**	
	Multiple thematic workshops about R language and libraries	
since 2011	**SimTools network**	http://sites.google.com/site/simtoolsnetwork/
	Creating innovating tools for complex system evaluation with other young computer scientists	

publications

conferences and proceedings

Simulation d'accessibilité dans la ville et expérience pédagogique : le modèle AccesSim
Matthieu Delage, Florent Le Néchet, Thomas Louail, Hélène Mathian, Sébastien Rey-Coyrehourcq
Actes des neuvièmes rencontres de Théo Quant, Besançon, 2010, Besançon, France

Exploring geographical agent based models : a new protocol using automated procedures
Schmitt Clara Rey Coyrehourcq Sebastien
ECQTG, European Conference on Quantitative and Theoretical Geography, 2011, Athènes, Grèce

Exploring geographical agent based models : a new protocol using automated procedures
Schmitt Clara Rey Coyrehourcq Sebastien
V2CS, 2011, Paris, France

Exploring geographical agent based models : a new protocol using automated procedures
Schmitt Clara Rey Coyrehourcq Sebastien
AAG annual meeting, 2012, New York, USA

Exploring geographical agent based models : a new protocol using automated procedures
Schmitt Clara Rey Coyrehourcq Sebastien
Agile, 2012, Avignon, France

Un modele qui se voulait simple mais qui a fini complexe !
Schmitt Clara Rey Coyrehourcq Sebastien
Rencontres inter-disciplinaires sur les systemes complexes naturels et artificiels, 2011, Rochebrune, France