

CONTACT INFORMATION

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ACADEMIC EXPERIENCE & EDUCATION

Post-doctoral Researcher, Charité University, Berlin, Germany **Since September 2012**
Eyetracking, EEG recordings and models of reaction times

Post-doctoral Researcher, Brown University, Providence, RI, USA **2010-2012**
Machine learning: multivariate classification and regression, Computational models of visual object recognition run on [very large image datasets](#), Python

Ph.D. in Neurosciences, Université de Toulouse, CNRS, France **2010**
Highest academic distinction: Très honorable avec les félicitations du jury à l'unanimité.
Eyetracking, models of ultra-fast reaction times

Master in Cognitive Science, Graduated magna cum laude **2006**
ENS / EHESS / Ecole Polytechnique / Paris 5 / Paris 6, France

For more information, such as my list of scientific publication and outreach activities, please see [my complete academic CV](#).

GENERIC SKILLS

- Active team member in collaborative projects with interdisciplinary scientists worldwide.
- Outstanding organizational and analytical skills, able to assess needs and develop creative solutions.
- Goal-driven and highly motivated to complete ambitious projects.
- Effective and accurate in background research, and in learning and applying new techniques fast and independently.
- Ability to follow the literature in an several active fields of research.
- Distinct teaching skills (more than 200h taught) and proficient in conveying complex models and original findings to professionals.
- Excellent ability to write and transform technical data into interesting, informative reading.
- Presentations at international conferences.
- Designed and conducted behavioral and neuroimaging experiments on visual information processing and perception.
- Simulated behavioral and neuronal data using computational models.
- Programmed stimuli and analysis, analyzed electrophysiological, behavioral and eye movement data (R and Matlab).
- Presented results at scientific conferences in Europe and United States.
- Taught courses on perception and cognition and consistently received excellent student and supervisor ratings.

SPECIALTIES

statistics, data analysis, research, information visualization, programming (R and Matlab), teaching, writing, presentations, public speaking

OFFICIAL COMMITMENTS	Organizer of the J3CN <i>Journal Club for Cognitive & Computational Neuroscience, Brown University</i> https://sites.google.com/a/brown.edu/j3cn/ Providence, USA	2010 to 2011
	Header of the Organizing Committee for the CJCSC'09 <i>French Cognitive Science Young Researcher Conference</i> http://fresco.risc.cnrs.fr/cjcsc2009/ Toulouse, France	2008 to 2009
	Header of the Young Researcher Workshop for trend forecasting in Cognitive Science <i>Part of the PIRSTEC project funded by the French National Research Agency (ANR)</i> http://pirstec.risc.cnrs.fr	2009
	Founding member of the association inCOGnu <i>Association of cognitive science students of Toulouse</i> http://incognu.fr/ Toulouse, France	2006 to 2009
TECHNICAL SKILLS	<i>Operating Systems:</i> Advanced knowledge of Mac OS and GNU Linux. <i>Programming languages:</i> R, MATLAB, Python. <i>Eye movement recording:</i> SR Research Eyelink, SMI View Eyetracker, Chronos Eyetracker, EOG. <i>EEG and iEEG analysis:</i> Homemade MATLAB functions and EEGLab MATLAB toolbox. <i>Statistical Analysis:</i> R, Parametric and non-parametric tests, Bootstrapping and permutation tests, Machine learning <i>Communication and publishing:</i> Advanced knowledge of L ^A T _E X, Adobe Illustrator & the presentation software Keynote (Mac OS); website creation and maintenance with HTML and CSS. <i>R:</i> Split-Apply-Combine Strategy with plyr and reshape2, ggplot2, knitr. <i>Matlab:</i> advanced programming in machine learning and computer vision, Dynamical Causal Modeling with SPM8. <i>Python:</i> SciPy, NumPy, scikit-learn.	
LANGUAGES	<i>French:</i> Mother tongue <i>English:</i> Fluent <i>Spanish:</i> Elementary	
CIVIL STATUS	31 years old, French, married, one daughter.	
REFEREES	Dr Simon J. Thorpe , CNRS, Toulouse, France Dr Thomas Serre , Brown University, Providence, RI, USA Dr Niko A. Busch , Charité University, Berlin, Germany	simon.thorpe@cerco.ups-tlse.fr thomas_serre@brown.edu niko.busch@charite.de