

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 (performed on [very large image datasets](#))

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, ENS / EHESS / X / Paris 5-6, France **2006**
Graduated magna cum laude

For a full list of my scientific achievements, please see my [academic CV](#).

SKILLS

Generic

- 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 follow-up of the literature in several active fields.
- Ability to learn and apply new techniques fast and independently.

Data Analysis

- Analyzed behavioral, electrophysiological (EEG → neuroergonomie) and eye movement data.
- Simulated behavioral and neuronal data using computational models.

Communication

- Distinct teaching skills (>200h), consistently received excellent student and supervisor ratings.
- Proficient in conveying complex models and original findings to professionals.
- Excellent ability to write and transform technical data into interesting, informative reading.
- Strong interest in information and data visualization ([Tufte](#) enthusiast).
- Presented results at world-class scientific conferences in Europe and United States.

Organization and management

- Founder of the [inCOGnu](#) local association for cognitive science outreach.
- Led the organization of the CJCSC'09 (>100 participants) → management of a team of 15 people.

TECHNICAL SKILLS	<p><i>Operating Systems:</i> Advanced knowledge of Mac OS and GNU Linux.</p> <p><i>Programming languages:</i></p> <p><i>R:</i> Split-Apply-Combine Strategy with plyr and reshape2, ggplot2, knitr.</p> <p><i>Matlab:</i> Machine learning and computer vision, Dynamical Causal Modeling with SPM8.</p> <p><i>Python:</i> SciPy, NumPy, scikit-learn.</p> <p><i>Eye movement recording:</i> SR Research Eyelink, SMI View Eyetracker, Chronos Eyetracker, EOG.</p> <p><i>EEG and iEEG analysis:</i> Homemade MATLAB functions and EEGLab MATLAB toolbox.</p> <p><i>Statistical Analysis:</i> Parametric and non-parametric tests, bootstrapping and permutation methods, machine learning, multivariate statistics.</p> <p><i>Communication and publishing:</i> Advanced knowledge of L^AT_EX, Adobe Illustrator, Keynote, and HTML/CSS.</p>	
LANGUAGES	<p><i>French:</i> Mother tongue</p> <p><i>English:</i> Fluent</p> <p><i>Spanish:</i> Elementary</p>	
CIVIL STATUS	31 years old, French, married, one daughter.	
REFEREES	<p>Dr Simon J. Thorpe, CNRS, Toulouse, France</p> <p>Dr Thomas Serre, Brown University, Providence, RI, USA</p> <p>Dr Niko A. Busch, Charité University, Berlin, Germany</p>	<p>simon.thorpe@cerco.ups-tlse.fr</p> <p>thomas_serre@brown.edu</p> <p>niko.busch@charite.de</p>