

Sébastien Crouzet

CONTACT INFORMATION

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ACADEMIC EXPERIENCE & EDUCATION

Post-doctoral Researcher, Université de Toulouse, CNRS, France **2014-now**
Machine learning and electroencephalic (EEG) recordings

Post-doctoral Researcher, Charité University, Berlin, Germany **2012-2014**
Eyetracking, EEG recordings and Machine learning

Post-doctoral Researcher, Brown University, Providence, RI, USA **2010-2012**
Computational models of visual object recognition and Machine learning

Ph.D. in Neurosciences, Université de Toulouse, CNRS, France **2010**
Highest academic distinction: Très honorable avec les félicitations du jury à l'unanimité.
Eyetracking, advanced analysis of behavioral data, 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 rapidly and independently.

Data Analysis

- Analyzed behavioral, electrophysiological (EEG and iEEG) 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 ideas 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 in Toulouse.
- Led the organization of the CJCSC'09 (>100 participants) → management of a team of 15 people.

TECHNICAL
SKILLS

Operating Systems: Advanced knowledge of Mac OS and GNU Linux.

Programming languages:

Matlab: Data analysis, machine learning and computer vision.

R: Split-Apply-Combine Strategy with plyr and reshape2, ggplot2, knitr.

Python: SciPy, NumPy, scikit-learn.

Eye movement recording: SR Research Eyelink, SMI View Eyetracker, Chronos Eyetracker, EOG.

EEG and iEEG analysis: Homemade MATLAB functions and EEGLab MATLAB toolbox.

Statistical Analysis: Machine learning, multivariate statistics, parametric and non-parametric tests, bootstrapping and permutation methods,

Communication and publishing: Advanced knowledge of L^AT_EX, Adobe Illustrator, Keynote, and HTML/CSS.

LANGUAGES

French: Mother tongue

English: Fluent

Spanish: Elementary

CIVIL
STATUS

33 years old, French, married, two daughters.

REFEREES

Dr Simon J. Thorpe, CNRS, Toulouse, France

Dr Thomas Serre, Brown University, Providence, RI, USA

Dr Niko A. Busch, Charité University, Berlin, Germany

Dr Rufin VanRullen, CNRS, Toulouse, France

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