Sébastien Crouzet

CONTACT
INFORMATION

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SUMMARY

A tenacious and committed science researcher experienced at working effectively in teams and independently. Proven expertise at managing projects, solving problems with cutting-edge methods; experience which I now aim to apply in the industry.

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 vizualization (Tufte enthusiast).
- Presented results at world-class scientific conferences in Europe and United States.

Organization and management
- Day-to-day help in running research teams and supervising students.
- 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.

Soft skills
- Team player, proactive and curious.
- High levels of accountability and ownership.
- Rigorous and methodical.
- Independent problem solving skills, strong customer focus.
- Can do attitude, hard-working, organized, and motivated
- Capacity to think in new lines: curious and constantly looking for ways to improve his/ her skills.

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.

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 LATEX, Adobe Illustrator, Keynote, and HTML/CSS.

Languages

French: Mother tongue

English: Fluent (spent 4 years living abroad in the US and Germany)

Spanish: Elementary

Civil Status

34 years old, French, married, two daughters.

Referees

Dr Simon J. Thorpe, CNRS, Toulouse, France   *simon.thorpe@cnrs.fr*

Dr Rufin VanRullen, CNRS, Toulouse, France   *rufin.vanrullen@cnrs.fr*

Dr Thomas Serre, Brown University, Providence, RI, USA   *thomas_serre@brown.edu*

Dr Niko A. Busch, Charité University, Berlin, Germany   *niko.busch@charite.de*