# Adrian Ernesto RADILLO

## Research Interests

Bayesian inference; decision making; evidence accumulation; network models; statistical inference on neural data

## Personal Data

| | |
|---:|:---|
| Nationalities: | French & Mexican |
| Year of Birth: | 1986 |
| City: | Houston, Texas, USA |
| Email: | adrian@math.uh.edu |
| Website: | www.math.uh.edu/∼adrian/ |

## Relevant Work Experience

| | |
|---:|:---|
| Aug 2014-Today | Teaching Assistant, Research Assistant and Grader at University of Houston<br>Taught calculus lab sessions, graded for several statistics and linear algebra courses. PhD projects in progress. |
| Jan-Dec 2010 | Clinical Psychologist at Adult Psychiatry Service, Dreux (France)<br>Counseling, support group animation, personality and cognitive skills assessment for patients suffering from grave mental illnesses. Close collaboration with psychiatrists, nurses and other psychologists. |

## Internships

| | |
|---:|:---|
| Sep-Dec 2015 | Research Intern at Instituto de Fisiología Celular, Universidad Nacional Autónoma de México (Mexico)<br>In Dr. Ranulfo Romo's lab, I got familiarized with single-unit electrophysiological recordings from behaving monkeys and started a collaboration, analyzing some of their data. |
| Jul-Aug 2012 | Research Intern at Institute for Digital Healthcare, University of Warwick<br>Project: *Neural Encoding of Sound Stimuli*; Supervisor: Dr. James Harte.<br>Worked on signal processing of artificial EEG signals with MATLAB, in order to quantify the *mutual information* between auditory stimuli and neural response. |
| Sept 06 - Oct 09 | Psychology Intern at several hospitals, Paris area<br>More than 1600 hours of internship with main emphasis on child psychopathology. Master's internship at Esquirol Hospital where I worked on cognitive rehabilitation of autistic children using video games. |

## Education

| | |
|---:|:---|
| Since Aug 2014 | Graduate student in Mathematics, **University of Houston**, USA<br>*Specialization: mathematical neuroscience*<br>PhD projects: Evidence accumulation and change rate inference in changing environments; Neural coding of tactile temporal patterns in monkeys (in collaboration with Dr. Ranulfo Romo's team)<br>Advisor/Co-advisor: Prof. Kresimir Josic / Dr. Zachary Kilpatrick |
| July 2014 | Bachelor of Science in Mathematics (*Hons*), **The University of Warwick**, UK |
| Oct 2009 | Master's Degree in Clinical Psychology, **Ecole de Psychologues Praticiens**, Paris<br>*Specialization: psychopathology*<br>Thesis: "Cognitive rehabilitation through video games"<br>Advisor: Prof. Véronique Donard |

# Awards and Publications

| | |
|---|---|
| AWARDS | Presidential Cullen and Stella Ehrhardt Fellowship ($ 4,000), University of Houston, 2014-2016. |
| | Undergraduate Research Scholarship Scheme (£ 1,600), University of Warwick, July 2012. |
| POSTERS | **Radillo, Adrian E.**; Veliz-Cuba, Alan; Josic, Kresimir; Kilpatrick, Zachary P. (2016). Evidence accumulation and change rate inference in dynamic environments. Cosyne Abstracts 2016, Salt Lake City USA. |
| PAPERS | Donard, V., et al. (2012). Identity and relational stakes in MMORPG. *Pratiques Psychologiques*, 18(1), 23–36. |
| | **Radillo, A**. (2009). L'expérimentation de l'utilisation des jeux vidéo en remédiation cognitive, *Enfance & Psy*, n° 44, Paris : Erès. |
| BOOK | Virole, B., & **Radillo, A**. (2010). *Cyberpsychologie*, Paris : Dunod. |

# Additional Information

| | |
|---|---|
| LANGUAGES: | French (mother tongue), English and Spanish (fluent) |
| COMPUTING: | Microsoft Office, LaTeX, Visual Basic, MATLAB, R, Shell, C++ |
| INTERESTS: | Piano, yoga |