

# CV of Louise Charpiot

## EDUCATION

- 2018-2021 **Ph.D. funded in Psychology in Institute for Health and Behavior at Université du Luxembourg, Esch-sur-Alzette, Luxembourg.**  
*Subject thesis (48 months duration): Robot for autism: Improving Practitioners' Acceptance of Robots as Therapy assistants.*
- 2016-2017 **Master 2 MIASHS (Mathematics and Informatics for Human and Social Sciences, cognitive Science for company). Université Charles De Gaulle, Lille 3, France (co-supervised by the University of Luxembourg)**  
*Subject thesis: Using a robot to teach emotional skills for decrease internalized and externalized problems: an exploratory study.*
- 2015-2016 **Master 1 MIASHS (Mathematics and Informatics for Human and Social Sciences, cognitive Science for company). Université Charles De Gaulle, Lille 3, France.**  
*Subject thesis: Ability to inhibit a motor response: Effect of motivational skills.*
- 2011-2015 **Bachelor (Human and Social Sciences, Psychology / Neuropsychology). Université Charles De Gaulle, Lille 3, France.**  
*Subject thesis: Contribution of the evolutionary approach: towards an explanation theory of the placebo effect.*
- 2009-2011 **DEC with honors (BAC degree).**  
Cégep Saint-Laurent, Montreal/Quebec/Canada

## WORK EXPERIENCE

- 11/17-04/18 **Account Manager – Luxai – Luxembourg, Luxembourg**
- Development of robot-assisted autism interventions.
  - Preparing tutorial and marketing materials as well as demonstration.
  - Identifying and communicating to autism stakeholders for market research and sales and marketing purposes.
  - Collaborative and partnership maintenance.
- 11/17-04/18 **Technical collaborator in ProCRob/AI robotlab at University of Luxembourg - Luxembourg, Esch-sur-Alzette**
- Developing real-world use-cases for ProCRob autism solution (robot-assisted device), establish a protocol for assessment and implement it.
  - Obtaining feedback from real-word scenarios, testimonials and recommendations from the field experts.
  - Collaboration with partner institutions & communication and research communication (e.g. HRI in Chicago)
- 07/17 - 09/17 **Research assistant in Institute for Health and Behavior at University of Luxembourg - Luxembourg, Esch-sur-Alzette**
- Continuation of the tasks carried out during my internship at the University of Luxembourg
  - Literature review
- 01/17 - 06/17 **Research assistant - Internship at the University of Luxembourg - Luxembourg, Esch-sur-Alzette**
- Support in the implementation of robot-assisted therapy to improve emotional skills of children with Autism Spectrum Disorder.
  - Assistance in the development of a research protocol, recruitment, and data analysis.
  - Establishment of different research collaboration and practitioners' partnerships.
  - Research communication (e.g. HRI in Vienna, start-up and public events, blog).

- 04/16 - 08/16 **Research & Development Engineer - Internship at Neotrope - France, Tourcoing**
- In charge of cognitive research and development unit.
  - Participation to the conception of an electrodermal activity strap connected (Software) and software and hardware evaluation.
  - Literature review, test protocol design, implementation and data analysis.
  - Collaboration with main partners' laboratory (INRIA – SCALab – Ubisoft) for user research.
  - Proposal of innovative solutions and conceptualization of research projects for clients and collaborators.
- 09/14-11/14 **Research - Internship at SCALab laboratory - France, Tourcoing**
- Training with research equipment, use (e.g. application and calibration), and analysis (EEG, EMG, AED, Eye track, Qualisys cameras, Goniometric combination, Thermal camera).
- 12/14 - 05/15 **Neuropsychology- Internship at Zuydcotte Hospital, memory consulting - France, Zuydcotte**
- Administration of psychometric tests, cognitive assessments, and differential diagnosis .
- 02/14 - 03/14 **Neuropsychology - Internship at Hospital of Berck-sur-mer Rehabilitation Service - France, Berck-sur-mer**
- Individual interviews, partial cognitive assessments, multidisciplinary review meetings and initiation tests and rehabilitation tools.
- 06/06-06/11 **Assistant Manager - Dairy Queen - Full Time - Canada, Montreal**

## LANGUAGES

<b>German</b>	Level A2	<b>English</b>	Level B2	<b>French</b>	Mother Tongue
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## COMPUNTING

**Software** Statistica, OpenSesame, Office suite, SAS, E-prime, SPSS

**Development languages** R, MatLab, HTML, PHP, CSS

## SKILLS

**Profile** Responsible, dynamic, curious, fast learner, and creative

**Soft skills** Project management, human resources management, programming, teaching

## PUBLICATIONS

Costa, A. P., Charpiot, L., Lera, F. R., Ziafati, P., Nazarikhorrām, A., van der Torre, L., & Steffgen, G. (2018). A comparison between a person and a robot in the attention, imitation, and repetitive and stereotypical behaviors of children with Autism Spectrum Disorder. In *Proceedings workshop on Social human-robot interaction of human-care service robots at HRI2018*.

Costa, A., Schweich, T., Charpiot, L., & Steffgen, G. (2018). Attitudes of Children with Autism towards Robots: An Exploratory Study. *arXiv preprint arXiv:1806.07805*.

Costa, A. P., Charpiot, L., Lera, F. R., Ziafati, P., Nazarikhorrām, A., Van Der Torre, L., & Steffgen, G. (2018, August). More Attention and Less Repetitive and Stereotyped Behaviors using a Robot with Children with Autism. In *2018 27th IEEE International Symposium on Robot and Human Interactive Communication (RO-MAN)* (pp. 534-539). IEEE.

Costa, A. P., Kirsten, L., Charpiot, L. (2019). Mental Health Benefits of a Robot-Mediated Emotional Ability Training for Children with Autism: An Exploratory Study. In *Proceedings at INSAR 2019*.