

Marion Fecho

Experiences

Free-lance in data science / [Montreal, Quebec](#)

Since August 2022

Project management
Web scrapping data aggregation
Data / statistical analysis / quantitative methods
Programming in python with machine learning using Keras and Tensorflow

Phd student and Research engineer / [Aix-Marseille Université](#), France & [Freie Universität Berlin](#), Germany

From October 2018 to July 2022

Project management
Web scrapping data aggregation
Literature French corpus creation
Data / statistical analysis / quantitative methods
Python / R / SPSS programming
NLP / behavioral model development
Project communication (report / presentation / conference talk)
Experimental design based on latest academic literature methodology

University teaching assistant for Psychology Bachelor/ [Aix-Marseille Université](#) Marseille, France

From September 2018 to June 2019

Educational content management/delivery to 150 students
Student project tutoring for 40 students
Examination organisation, surveillance for 500 students, and correction

Research engineer / [Laboratoire de Psychologie et NeuroCognition \(LPNC\)](#), [Université Grenoble Alpes](#) Grenoble, France & [Freie Universität Berlin](#), Germany

From January 2016 to June 2018

Project management
Data / statistical analysis / quantitative methods
Python / R / SPSS programming
Project communication (report / presentation)
Experimental design based on latest academic literature methodology

Tutoring / [Academia](#) Grenoble, France

From July 2015 to December 2017

Applied pedagogical teaching to students with educational / social difficulties and learning disorders

University research assistant / [GIN Lab](#) Grenoble

From September 2015 to December 2015

Experimental design based on latest academic literature methodology
Project communication (report)

University research assistant / [Université de Montréal](#) Montréal, Canada

From September 2014 to April 2015

Experimental design based on latest academic literature methodology
Project communication (report)

Education

Phd in Cognitive Psychology / [Laboratoire de Psychologie Cognitive \(LPC\)](#) & [Laboratoire d'Informatique et Systèmes \(LIS\)](#), [Aix-Marseille Université](#) Marseille, France October 2018 to July 2022

Master of Cognitive Psychology / [Phelma - Grenoble INP](#) Grenoble, France From September 2016 to July 2018

Bachelor of Psychology / [Université Pierre Mendès-France](#) Grenoble, France From September 2013 to June 2016

Bachelor of Biology / [Université Joseph Fourier](#) Grenoble, France From September 2013 to June 2015

- marion.fecho@gmail.com
- Montreal
- Bilingual
- Permanent residency

Skills

Personal

Adaptative
Team-worker
Autonomous
Good communication skills

Programming language / Software

Machine Learning

- Keras, TensorFlow, pyTorch

Natural Language Processing

- Sentiment analysis, Vector space model, topic analysis, Aspect mining, visualisation, POS-tagging

Python

- Scikit learn, spacy, gensim, Word2vec, pandas, nltk, LSA, transformers (BERT/GPT), beautiful soup, SQLAlchemy, PyArango, matplotlib, seaborn, vegas

R

- Lme4, R markdown, ordinal, lmerTest, effects, gplot

Statistic software

- SPSS, Statistica, Jmp

Bases de données

- SQL: SQLite, MySQL
NoSQL: ArangoDB
Graph: ArangoDB, Neo4J

Git

Academic Publications

Scientific Paper, *Journal of Eye*

Movement Research, 2020. Following in Jakobson and Lévi-Strauss' footsteps: a neurocognitive poetics investigation of eye movements during the reading of Baudelaire's 'Les Chats'.

Conference talk - ECEM 2019, Alicante