

**Sylvain Duhau-Marmon** (he/him/his)

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🖥 <https://sdmarmon.github.io/>

## Cognitive Engineer

### UX Researcher – Data Analyst – Front-End Developer

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## Work Experience

- 11/2021-09/2022: **UX Researcher** in Product at OCUS, Paris, France
  - Building a systemic framework for user research by implementing continuous data collection
  - Analyzing and communicating user insights to project stakeholders
  - Enabling cross-functional squads to make strategic decisions during six-week design sprints

*References:* Benoît Terpereau (benoit.terpereau@gmail.com), Leela Rasa (leela.is.working@gmail.com)
- 04/2019-10/2019: **UX Research Trainee** in the Human-Computer Interaction group, at the Institute of Cognitive Science and Assessment, University of Luxembourg, Esch-sur-Alzette, Luxembourg
  - Leading a study from end to end about the applicability and validity of generic user experience scales
  - Assisting research initiatives on user experience challenges related to computer-based assessment, collaborative learning spaces, security & privacy, concept mapping, and digital cultural heritage

*References:* Vincent Koenig (vincent.koenig@uni.lu), Carine Lallemand (carine.lallemand@uni.lu)

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## Internship Experience

- 05/2018-08/2018: Internship with the NATO Science and Technology Organization, in Bordeaux, France
  - Organizing and moderating the IST-160 conference “Big Data and AI for Military Decision Making”
  - Supporting the IST-157 research group “Human considerations in AI for C2”
- 06/2017-07/2017: Internship at the LAMSADE (Research Center for the Analysis and Modelization of Decision Making), University of Paris-Dauphine, Paris, France
  - Coding board games and applying Monte-Carlo Tree Search algorithms in C++

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## Education

11/2019: **Master of Science in Cognitive Engineering**, at the Ecole Nationale Supérieure de Cognitique (National Engineering School in Applied Cognitive Sciences), Bordeaux Institute of Technology, Bordeaux, France

- Graduated with honors, salutatorian

Fall 2018: Study abroad semester at the University of California, Merced, United States

- GPA: 4.00

06/2016: Graduated from Higher School Preparatory Classes in Mathematics and Physics, at the University of Bordeaux, Bordeaux, France

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## Skills

### User Research:

Surveys	●●●●●
Interviews	●●●●●
A/B testing	●●●●○
User testing and observation	●●●●○
Personas	●●●●○
Focus groups	●●●●○

### Statistical Analysis:

R	●●●●●
Matlab	●●●●○
SAS	●●●●○
Python (Pandas, NumPy)	●●●○○
SPSS	●●●○○

### Web Analytics:

Hotjar	●●●●●
Google Analytics	●●●●○
Mixpanel	●●●○○

### Computer Programming:

Object-oriented – C#, C++, Java	●●●●●
Web – PHP, HTML, CSS	●●●●○
Event-driven – JavaScript, Windows Forms	●●●●○
Database Management – SQL, NoSQL	●●●●○
AI – Python, Prolog, Netlogo	●●●○○
Mobile – React Native, Kotlin	●●●○○

### Product Design:

User-Centered Design – Human factors, Ergonomics, Interaction design  
Wireframes – Figma, Axure  
Project Management – Agile, Scrum  
Communication Tools – Miro, Notion, Airtable, G Suite, Office, LaTeX

### Scientific Foundation:

Cognitive Sciences – Decision making, Perception, Learning, Memory  
Mathematics – Probability theory, Inferential statistics, Linear algebra  
Physics – Mechanics, Signal processing

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## Languages

English	●●●●●
French	●●●●●
Spanish	●●●○○
Japanese	●●●○○

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## Additional Information

- Chess educator since September 2022
- NATO – STO CSO (Science and Technology Organization Collaboration Support Office) medal recipient
- Former member of the national youth swimming center in Talence, France