Mélody Laurent

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Based in Paris - open to international

PROFESSIONNALS EXPERIENCES

Designer and Project manager - *Digital - Multimedia*   january 2021 – now
Universcience - "La Cité des sciences et de l'industrie" and " Le Palais de la Découverte"
https://www.cite-sciences.fr/en/home/

Contributing to scientific mediation and proposing multimedia devices;
Ensureing product design in conjunction with exhibition curators;
Management of digital projects.

- Exhibition "BANQUET":
    - In charge of the design of 4 multimedia applications
      Deployed the 15th november 2021 - opening of the exhibition
- Scientific and cultural project "Palais de La Découverte 2025":
    - Preliminary reflection team on digital museography
- Digital museography project reflection (led in english):
    - Organization of hackathon
      Master's degree students in artificial intelligence and exhibition curator

Project manager - *Digital Transformation*   2018 – 2021
Academy of Paris - Ministry of National Education
Service in charge of digital infrastructures and innovation at "La Sorbonne" (SIRIS)
https://www.siris.sorbonne.fr/

- Implementation of digital projects to promote the Sorbonne's heritage:
    - Mobile application for guidance in the Sorbonne
      Deployed for the 2019-2023 academic years
    - Serious game on the web for the transmission of the heritage of the Sorbonne.
      Presented during theEuropean Heritage Days 2019
    - Virtual tour of disappeared heritage - virtual reality, occulus helmet.
      Preliminary archaeological and architectural research work.
      Presented during the European Heritage Days 2019 and 2020
- Research in Communication and Information Sciences (CIS) :

- Member of the Scientific Committee of ICIDS'2019 - International Conference on Interactive Digital Storytelling
- Author in the conference EIAH'2019 - Computing Environments for Human Learning - and the conference H2PTM'2019 - From hypertext to digital humanities
- Member of a research project (fake news/artificial intelligence) led by the University of Paris 8, laureate of the EdTech Trophies - Ile-de-France Region 2019

- Supervision of students in the context of projects carried out at SIRIS :
  - Supervisor of a team of five students from Gobelins, École de l'image, in a master's degree in Design and interactive innovation management,
    Projet de fin d'étude de 6 mois : 1253.fr
  - Tutor of a master's student from the University of Paris 3 Sorbonne Nouvelle
    Internship of 4 months - communication officer on SIRIS projects
  - Tutor of a fifth-year student of the School of Engineering of the City of Paris (EIVP)
    Internship of 6 months - assistant project manager on the guidance application.

Part-time university teacher - *English and Digital project monitoring*
Université Paris 8 — Vincennes - Saint-Denis   2019 – now

- Strategic Information Management - Speciality: Digital Humanities
  - 60 hours - 2019 and 2020
- Professional Bachelor's degree in Mobile web design - Speciality: Digital professions
  - 20 hours - 2020
- Computer Science - Speciality: Micro-Computing and Embedded Machines
  - 50 hours - 2020 and 2022
- Master Degree's - Artificial Intelligence Engineering
  - 100 heures - 2020 and 2021 and 2022

Young researcher - *Information and Systems Technologies*   2014 – 2018
Université de Technologies de Compiègne, laboratoire Heudiasyc, Compiègne, France
Université de Genève, faculté de Psychologie et des Sciences de l'Education, Genève, Suisse
- Keywords: Virtual Reality; Serious Game; Professional practices; Complex Socio-Techniques; Conception and development
- Interactive stories for learning in a virtual environment
- Supervision activity: two engineering students

Scientific mediator - *Mathematics*   2015 – 2017
Palais de la découverte, Paris, France
- Mediator during presentation

- Subject "From fractals to computer graphics"
- Duration: 45 minutes
- Public: General public.

- **Animator during mathematics' workshops**

  - Duration: 3 hours
  - Public: College, High School, General Public.

- **Speaker within the framework of a training course belonging to the device: "Conceive a scientific project"**

  - Subject: "Algorithmics for Dummies"
  - Duration: 1 hour
  - Audience: 40 teachers of mathematics, technology, physics and chemistry in middle and high school.

- **Exhibitor at mathematics trade fairs Culture & Jeux Mathématiques**

  - Mathematics stand at the Palais de la Découverte
  - Duration: 4 days in 2016 and in 2017
  - Public: College, High School, General Public.

- **Young researchers festival**

  - Speaker on these three formats:
    * Popularization of "my thesis in 10 minutes"
    * 45-minute presentation of the "world of research"
    * "Meeting with a young researcher" of 1 hour on "My life as a researcher".
  - Duration: 8 days en 2017
  - Public : from 14 years old

Qualification Manager - *IT*   2013
Éditions Francis Lefebvre, Levallois-Perret, France

Assistant of a blind Professor of Education - *Mathematics*   2012 − 2013
Academy of Paris - Ministry of National Education
Assistant to a visually impaired mathematics teacher (copy correction, homework supervision, class council) with the implementation of innovative projects (robotics).

Assistant project manager - *Multimedia*   2010 − 2011
Audiovisual, Multimedia and Engineering Department
Cité des Sciences et de l'Industrie de Paris, France
R&D projects:
- Crossmedia for mobiles using 2D tags;
- Control of a real and virtual object, a real robot and its virtual double, by computer coupled with a Kinect.

Restaurant customer service - *Food*   2007 - 2010
Breton Creperie and French Brasserie, France

Assistante Travelling SalesWoman - *ERP Software*   2009
Pierre Le Goff Group, Quimper, France

EDUCATION AND DIPLOMAS

PhD - Computer Science, Information Technologies and Systems   2018
Co-direction between the Heudiasyc laboratory of the University of Technology of Compiègne (France) and the TECFA unit at the Faculty of Psychology and Education Sciences of the University of Geneva (Switzerland)

Master's degree - Mathematics and Computer Science, specialty Artificial Intelligence
Paris Descartes University, Paris, France   2014

Professional Bachelor's Degree - Techniques and activities of image and sound   2011
Gobelins, School of images, Paris, France

General university diploma, 2nd year - Mathematics, Computer Science and Applications to Science   2010
University of Le Mans, Le Mans, France

General university diploma, 1st year - Mathematics, Physics, Computer Science 2009
University of Western Brittany, Brest, France

VOLUNTEER EXPERIENCES

Teacher - *French as a Foreign Language (FLE)*   2018 – 2019
The Migrant Reception and Support Office (BAAM)

Parents' representative - *Parent of a pupil in kindergarten*   2017 – 2018
Ministry of Education

Animator - *Video Games*   2007 – 2009
Telligo, Aroeven

Scientific mediator - *Mathematics and Physics*   2007 – 2009
Planète Sciences

TRAINING AND CERTIFICATION

Training, Practice of philosophical workshops with children   2019
Les petites Lumières,
Chiara Pastorini, practicing philosopher, facilitator and trainer in philosophy.

Certification, Teach French as a Foreign Language (FLE)   2018
CAVILAM - Alliance Française de Vichy, MOOC

Formation, Psychopedagogical bases of educational technologies   2016
Master of Science in Learning and Teaching Technologies (MALTT),
Psychology and educational sciences, University of Geneva.

PUBLICATIONS

Thesis - Information and Systems Technologies
"Screenwriting under the influence of the spatiotemporal metaphor: a reflexive approach in a virtual environment"
Laurent Mélody
University of Technology of Compiègne, France, 2018.

Conferences with proceedings

- "Freedom of action for a learner in a virtual environment."
  Laurent Mélody
  15th edition of the conference, Hypertexts, Hypermedia, Products, Tools, Methods, H2PTM'2019: From hypertext to digital humanities (2019),
  Montbéliard, France, 16-18 october 2019.

- "Technological innovation at the service of the transmission of the heritage of humanity: Digital projects on heritage sites in France."
  Laurent Mélody, Bigrat Frédérick
  15th edition of the conference, Hypertexts, Hypermedia, Products, Tools, Methods, H2PTM'2019: From hypertext to digital humanities (2019),
  Montbéliard, France, 16-18 october 2019.

- Realization of MOOCs in France between 2012 and 2019: study the influence of MOOCs on the teaching practices of teacher-researchers involved in their design."
  Bigrat Frédérick, Méadel Cécile, **Laurent Mélody**
  15th edition of the conference, Hypertexts, Hypermedia, Products, Tools, Methods, H2PTM'2019: From hypertext to digital humanities (2019),
  Montbéliard, France, 16-18 october 2019.

- "Data valuation for the improvement of MOOC hosting platforms."
  Bigrat Frédérick, **Laurent Mélody**, Méadel Cécile
  9th Conference on Computer Environments for Human Learning, EIAH'2019, Paris, France, 4-7 june 2019.

- "Interactive stories for learning in a virtual environment: design of a scenario based on uchronia."
  Laurent Mélody, Bouchardon Serge, Lourdeaux Domitile, Szilas Nicolas
  14th edition of the conference, Hypertexts, Hypermedia, Products, Tools, Methods, H2PTM'2017, Valenciennes, France, 18-20 october, 2017.

- "A Reflexive Approach in Learning Through Uchronia"
  Laurent Mélody, Szilas Nicolas, Lourdeaux Domitile, Bouchardon Serge
  International Conference on Interactive Digital Storytelling, ICIDS 2016, Los Angeles, CA, USA, November 15–18, 2016, Proceedings. Springer International Publishing.

Review

- Labyrinthes et jeux vidéo
  Laurent Mélody
  Review "Découverte". Number 411, Mathematical forms, 2017.

SKILLS

Office
- Mastery : Microsoft Office suites, OpenOffice.org ;
- Intermediate : Adobe Creative Suite.

Programming
- Mastery : C, Script Bash, LATEX, LOGO, L-systems ;
- Intermediate : Prolog, PDDL ;
- Elementary : Python, Objective-C, R, C++, Java.

Internet
- Mastery : HTML, CSS, WordPress ;
- Intermediate : SQL, PHP, JavaScript ;
- Elementary : ActionScript 3, Node.js.

Languages
- English : Full Professionnal capacity ;
- Espagnol : Intermediate ;
- French : Native Language.

INTERESTS AND JOURNEYS

Contemporary art, cycling, digital, education, heritage, philosophy, photography, skateboarding.

15 years of horse riding: 10 years of club, owner of 6 horses, breaking of my stallion (thoroughbred Arab) and other foals, hiking on the beach and in the forest (treck).

Argentina, Armenia, England, Germany, Greece, Finland, France, Italy, Malta, Poland, Switzerland, Scotland, Spain, Turkey, United States.