

EDUCATION

- 2015** **PhD / Docteur ès Sciences**
École Polytechnique Fédérale de Lausanne
Department of Architecture (**EPFL EDAR**)
Computational Shifts in Theatrical Space
5/25/2015
- 2003** **MS, Media Arts and Science**
Massachusetts Institute of Technology
Media Lab / Grassroots Invention Group
Just Making Faces? Animatronics, Children and Computation
8/17/2003
- 2001** **BFA, Visual Communication / Art and Technology**
School of the Art Institute of Chicago
Typography and Murder: Jan Tschichold and the Fascist Aesthetic
5/19/2001
- 1996** Phillips Academy, Andover
2/6/1996

EMPLOYMENT

- 2022 - 2025** **UX Lead / Senior Systems Designer**
VRChat, Inc.
San Francisco, USA
6/2022 - 7/2025
- 2020 - 2022** **Course Instructor / Developer**
EPFL Extension School
Geneva, CH
7/20-6/22
- 2015 - 2024** **Adjunct Instructor / Lecturer**
Aarhus University (Denmark)
- (HKB) Bern University of the Arts | BFH (Switzerland)
- (HEAD) Geneva University of Art and Design (Switzerland)
- (HETSR/La Manufacture)
University of the Performing Arts of Western Switzerland (Switzerland)
- 2020 - 2022** **Director of Special Projects**
Place Lab Ltd.
Lausanne, CH / Andover, MA USA
- Director of Engineering**
Toasterlab
Toronto, ON Canada

- 2019 - 2020** **Software Developer**
Zurich, Switzerland
ElectricFeel
1/19-12/19
- 2017 - 2018** **Software Developer**
Charlottesville VA, USA
Performant Software LLC
- 2016 - 2017** **Senior User Experience Designer**
New York, NY
Food52.com, NYC
- 2012 - 2015** **Doctoral Assistant**
Lausanne, Switzerland
École Polytechnique Fédérale de Lausanne
- Researcher in Residence**
Lausanne, Switzerland
University of the Performing Arts Lausanne (La Manufacture / HETSR)
- Researcher**
Haute Ecole de Théâtre de Suisse Romande
SINLAB
Lausanne, Switzerland
- 2007 - 2012** **Design Researcher**
IBM Research
Cambridge MA
- 2006 - 2007** **Senior Software Engineer**
Pearson Education
Boston MA
- 2005 - 2006** **Senior Designer**
Bricolage Systems, LLC
Los Angeles CA
- 2001 - 2003** **Research Assistant**
MIT Media Lab
Cambridge MA
- 1997 - 2005** **Senior Developer/Designer**
Evolving Systems, Inc
Putnam Valley NY

PUBLICATIONS

- 2015 ***Computational Shifts in Theatrical Space***
Doctoral Thesis, École Polytechnique Fédérale de Lausanne.
- 2013 ***Experience Catalysts and Architecture: Towards a New Tradition***
2013 eCAADe Conference on Future Traditions: Rethinking Traditions and Envisioning the Future in Architecture through the Use of Digital Technologies
- 2011 ***Architecture and Design for Virtual Conferences: A Case Study***
MDPI Future Internet 3, no 3: 175-184
- Circles of Crowdsourcing: The Social Organization of Participatory Sensing – IBM Research Report***
Michael Muller, Susanne Hupfer, Stephen Levy, Daniel Gruen, Andrew Sempere, Reid Priedhorsky
- Participatory Sensing through Participatory Design: Collaborating on Requirements with the CARD Method – IBM Research Report***
Michael Muller, Susanne Hupfer, Andrew Sempere, Stephen Levy, Reid Priedhorsky, Daniel Gruen
- MoCoMapps - An Experiment in Crowdsourcing both Data and Applications for Mobile Services – IBM Research Report***
Michael Muller, Susanne Hupfer, Stephen Levy, Daniel Gruen, Reid Priedhorsky, Andrew Sempere
- 2010 ***Avatars Meet Meetings: Design Issues in Integrating Avatars in Distributed Corporate Meetings – IBM Research Report***
N. Sadat Shami, Li-Te Cheng, Steven Rohall, Andrew Sempere, John Patterson
- Enhancing Distributed Corporate Meetings with 'Lightweight' Avatars IBM Research Report***
N. Sadat Shami, Li-Te Cheng, Steven Rohall, Andrew Sempere, John Patterson
- 2009 ***The Work of Art in the Age of Virtual Production***
25th Annual CHArt Conference Proceedings
- 2005 ***Animatronics, Children and Computation***
IEEE Journal of Educational Technology & Society 2005, Vol. 8 Special Issue on "Crafting Learning in Context"
- 2004 ***CTRL_SPACE: Using Animatronics to Introduce Children to Computation***. Proceedings, IEEE International Conference on Advanced Learning Technologies
- 2003 ***Just Making Faces? Animatronics, Children and Computation***
Masters Thesis, MIT