

Elizabeth Walton

ARTISTIC RESEARCHER IN MOVEMENT AND TECHNOLOGY · PHD IN HUMAN-COMPUTER INTERACTION

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Artist Summary

I am fascinated by the communication between people & technology of their perceived understanding of the body & its movement. Different operational tasks require protocols, labels or training of body forms while sensations remain unexplainable & contexts, fluid. I explored related topics during a PhD that I recently defended (March 2022) entitled *Dance Style Transitions : From Dancers' Practice to Movement-Based Technology*. It was a part of the Element (Enabling Learnability in Movement Interaction) project, coordinated by Frédéric Bevilacqua and partially in collaboration with Liz Santoro.

Workshops

Centre Nationale de Danse (CND)

CAMPING WITH AYELEN PAROLIN, DANIEL LINEHAN & MICHEAL HELLAND

Paris, France

June 2022

- Investigated concepts including: coherence in absurdity, play in repetition, tending & tuning

Atelier de Paris

MASTERCLASS WITH LIZ SANTARO, MYRIAM GOURFINK

Paris, France

Feb 2020, Aug/Sept 2020/21

- Investigated concepts including: circumventing habitual (un)patterns, energy yoga, Laban-based notation

The Selfy Project

RESEARCH WORKSHOP WITH GIORGOS SORAS DELIGIANNIS

Online- Confinement

May 2020

- Investigated concepts including: physicality of the digital space, act of gazing in the selfie camera, experiencing the non-body

Choreographic Coding Lab

FIBER, ICK AMSTERDAM, DANMAKERS, & MOTION BANK

Amsterdam, Netherlands

May 2019

- Engaged in program meant to bring together researchers & artists alike around the subjects of movement, digital tools, & code
- Co-created & performed with a prototype which trained an ML-based system to recognize specific positions of the body

Training

2019-2022 **Studios Vinyasa Yoga Paris, Gianna Dupont**, Vinyasa, Energy yoga classes

Paris, France

2018-2021 **Micadanses**, Classes with Peter Goss, Agnès Dufour, Gaga teachers, etc.

Paris, France

2018-2021 **Studio Harmonic**, Classes with Julien Deplantez, Wayne Byars, etc.

Paris, France

2017-2018 **Le Centre de Danse Emilie Kern**, Horton & contemporary classes

Grenoble, France

2013-2017 **Koresh Dance Company School**, Contemporary modern courses with Roni Koresh, etc.

Philadelphia, PA

2006-2013 **River City Ballet Pre-Professional Company**, Performing pieces including Kitri from *Don*

Louisville, KY

Quixote, Sugar Plum Fairy from *The Nutcracker*, etc., under direction of Kristen Wenrick

Education

Université Paris-Saclay & Inria Saclay

PHD CANDIDATE IN HUMAN-COMPUTER INTERACTION

Orsay, France

2018 - 2022

Institut Polytechnique de Grenoble - Ensimag

M.S. IN UBIQUITOUS AND INTERACTIVE SYSTEMS

Saint-Martin-d'Hères, France

2017 - 2018

University of Pennsylvania School of Engineering and Applied Science

B.A.S. IN COMPUTER AND INFORMATION SCIENCE, MINOR IN ENGINEERING ENTREPRENEURSHIP

Philadelphia, PA, USA

2013 - 2017

Publications

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|------|--|-----------------------------|
| 2022 | Elizabeth Walton , Wendy Mackay. <i>Dance Transitions: What Forms of Technology Best Support Professional Dancers as They Learn New Movement Styles?</i> In Proceedings of the 2022 CHI Conference on Human Factors in Computing Systems (CHI 2022) | New Orleans, Louisiana, USA |
| 2021 | Elizabeth Walton , Baptiste Caramiaux, Sarah Fdili Alaoui, Frédéric Bevilacqua, Wendy Mackay. <i>Reconciling Technology-Driven and Experiential Approaches for Movement-Based Design</i> . In Proceedings of the 32th Conference on l'Interaction Homme-Machine | Virtual Event, France |