

Elizabeth Walton

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

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Creations

Series Grid, Study Sensing Memory

CHOREOGRAPHER, RESEARCHER, & DANCER - COMPAGNIE RING ; RING ; DIAL

2022-2024

- Interactive performance in which spectators become the DJs of the dancer's memories
- Dancer relives past traumas, allowing herself to be permeated by the proposals sent to her
- Designed & prototyped with MIDI grid controller & Max/ MSP
- Auto-ethnographic study of the performer's emotional reactions to experience
- Support : City of Grenoble, Cap Berriat, Ouverture Exceptionnelle & DNA, l'AGA, Minimistan, le Grand Collectif
- Collaborators : Emma Gardeur (Dramaturge) & Adrien Bardet (Creative Coder)

Publications

- 2022 **Elizabeth Walton**, Wendy Mackay. *Dance Transitions: What Forms of Technology Best Support Professional Dancers as They Learn New Movement Styles?* 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. *Reconciling Technology-Driven and Experiential Approaches for Movement-Based Design.* In Proceedings of the 32th Conference on l'Interaction Homme-Machine Virtual Event, France

Education

Université Paris-Saclay & Inria Saclay

Orsay, France

PHD IN HUMAN-COMPUTER INTERACTION

2018 - 2022

Title: *Dance Style Transitions : From Dancers' Practice to Movement-Based Technology*, Supervised by Wendy E. Mackay

University of Pennsylvania School of Engineering and Applied Science

Philadelphia, PA, USA

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

2013 - 2017

Workshops

Centre Nationale de Danse (CND)

Paris, France

CAMPING WITH AYELEN PAROLIN, DANIEL LINEHAN, CÉSAR VAYSSIÉ, JONATHAN CAPDEVIELLE

June 2022/23, Oct 2024

- Investigated concepts including: coherence in absurdity, play in repetition, Tending & Tuning

Atelier de Paris

Paris, France

MASTERCLASS WITH LIZ SANTARO, MYRIAM GOURFINK

Feb 2020/24, Fall 20/21/22

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

The Selfy Project

Online- Confinement

RESEARCH WORKSHOP WITH GIORGOS SIORAS DELIGIANNIS

May 2020

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

Choreographic Coding Lab

Amsterdam, the Netherlands

FIBER, ICK AMSTERDAM, DANSMAKERS, & MOTION BANK

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

- 2022 **Hubert Godard**, Rolwing Paris, France
- 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
- 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 Quixote*, Sugar Plum Fairy from *The Nutcracker*, etc., under direction of Kristen Wenrick Louisville, KY