



# Milka Trajkova

## Human-Centered User Researcher

I strive to create and design intuitive user experiences from conception to implementation, while constantly challenging myself to continually learn new skills and methodologies.

### EDUCATION



Aug. 2016- Dec. 2021 PhD in Human-Computer Interaction | GPA 3.9

Indiana University, Indianapolis

Advisor: Francesco Cafaro

**aiDance: Designing AI-Based Feedback for Ballet Assessment and Learning**



Aug. 2014- May 2016 MSc in Human-Computer Interaction | GPA 4.0

Indiana University, Indianapolis

Advisor: Francesco Cafaro

**Effect of Visual and Verbal Feedback on Ballet Dance Performance in Mirrored and Non-Mirrored Environments**



Sept. 2011- Jun. 2014 BSc in Information Systems and Management | GPA 3.8

South East European University, Skopje, Macedonia

**Usability Evaluation of Kinect-Based System for Ballet Movements**

### CONTACT



trajkovamilka@gmail.com



### SKILLS

#### Data Collection

Requirement analysis, Designing controlled experiments, In-depth interviews, Focus groups, Field research, Surveys, Contextual interviews, Card sorting, Usability testing, Heuristic evaluation, A/B testing, Task analysis, User journey, Personas, Experience maps

#### Design/Prototyping

Sketching, Brainstorming, Storyboarding, User Scenarios, Personas, Wireframing, Low and Hi Fidelity Prototyping

#### Data Analysis

Qualitative inductive/deductive analysis (Memoing, Coding and categorization, Affinity diagramming), Quantitative analysis (parametric/non-parametric)

### SOFTWARE

Prototyping: Axure, Figma, JustInMind, Sketch, Balsamiq

Analysis: SPSS, R

Adobe: Photoshop, Illustrator, After Effects, Premiere Pro

### SELECTED HONORS

2020: CHI Doctoral Consortium Award

2019: NSF Cyberlearning Graduate Student Award

2018: Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT) Travel Grant

2014/2016: Indiana University School of Informatics and Computing, Indianapolis MS/Ph.D. Informatics Fellowship

2015: Best Graduate Poster at ACM-W Indiana Celebration of Women in Computing, Indianapolis, Indiana

### COMMUNITY EXPERIENCE

2012 - Present: UX Consultant- United Macedonian Diaspora

2011 - 2014: Professional ballet dancer with Macedonian Opera and Ballet

### SELECTED WORK EXPERIENCE



Mar. 2022- Present

#### Research Scientist

Georgia Institute of Technology, Atlanta, GA

Supervisor: Dr. Brian Magerko

• Conduct research in co-creative AI systems for dancer



Aug. 2015- Dec. 2021

#### Research Assistant

Indiana University, Indianapolis

Supervisor: Dr. Francesco Cafaro, Advisor for Ph.D.

• Conduct research in embodied interaction and feedback modalities for ballet learning systems. This included designing and moderating quantitative/qualitative studies, collecting and organizing the data, and analyzing findings.



May 2015- Jun. 2015

#### User Experience (UX) Research Intern

iVote, Skopje, Macedonia

• Evaluated in-house Epistum (Learning Management System) and Demokra (Elections Management System) by performing expert UX review (heuristic analysis, cognitive walkthroughs, usability testing); Managed stakeholder requirements and expectations for research impact; Write-ups and presentations of research findings.

### SELECTED PUBLICATIONS

Trajkova, M, et al. (2024). Exploring Collaborative Movement Improvisation Towards the Design of LuminAI—a Co-Creative AI Dance Partner. In Proceedings of the ACM on Human Factors in Computing Conference. (26.3% acceptance rate)

Trajkova, M, & Martin-Hammond, A. (2020). "Alexa is a Toy": Exploring Older Adults' Reasons for Using, Limiting, and Abandoning Echo. In Proceedings of the ACM on Human Factors in Computing Systems. (24% acceptance rate)

Trajkova, M, et al. (2020). Move Your Body: Engaging Museum Visitors with Human-Data Interaction. In Proceedings of the ACM on Human Factors in Computing Systems. (24% acceptance rate)

Trajkova, M. (2020). Designing AI-Based Feedback for Ballet Learning. In Proceedings of the ACM on Human Factors in Computing Systems. (23% acceptance rate)