

# Eva Mackamul

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## Research Interest

I am a postdoctoral researcher at the ixLab at Simon Fraser University's School of Computing Science. My research is focused on initial user perception and interpretation of interfaces, their affordances and how these translate to interaction discoverability and learnability. In particular I am interested in improving discoverability, which I have explored in the context of smartphones, shape-changing interfaces and am currently investigating in the context of AI Agents.














## Experience

- 2025 - **Postdoctoral Researcher**  
Simon Fraser University - ixLab working with Parmit Chilana
- 2024 - 2025 **Postdoctoral Researcher**  
CNRS Université Grenoble Alpes - LIG - IIHM working with Céline Coutrix
- 2020 - 2023 **PhD Student**  
Inria de l'Université de Lille - LOKI - Cristal
- 2017  
(June - August) **Interaction Design Research Assistant**  
Edinburgh Napier University collaboration with Farmingdale State College on Blended Interactions

## Education

- 2020 - 2023 **PhD in Computer Science**, Inria de l'Université de Lille  
Investigating the Influence of Visual Signifiers to Foster the Discovery of Touch-Based Interactions  
Supervised by Sylvain Malacria and Géry Casiez
- 2023  
(April - July) **Visiting PhD Student**, University of Toronto  
Supervised by Fanny Chevalier
- 2018 - 2019 **MSc Human Computer Interaction**, University of Nottingham  
Thesis on accessible instruction manuals through the use of AR  
Graduated with distinction
- 2014 - 2018 **BSc (Hons) Interactive Media Design**, Edinburgh Napier University  
Thesis on the effect of handheld and projected AR on a collaborative task  
Graduated with 1st class honours; Winner of the Class Medal

## Publications

- CHI' 26 **Mackamul, E.**, Maillard, T., Marceau, N., Coulibaly, Y., Pansiot, J., Boissieux, L., Vaufreydaz, D., Roudaut, A., Coutrix, C., 2026. "I don't want to break it": An Exploration of Perceived Fragility in Shape-Changing Interfaces. In Proceedings of the 2026 CHI Conference on Human Factors in Computing Systems. Article 1360, 1–24.  , AR: 25.3%
- CHI' 25 **Mackamul, E.**, Chevalier, F., Casiez, G. and Malacria, S., 2025. Does Adding Visual Signifiers in Animated Transitions Improve Interaction Discoverability? In Proceedings of the 2025 CHI Conference on Human Factors in Computing Systems. Article 747, 1–17.  , AR: 24.9%
- HCI' 24 **Mackamul, E.**, Casiez, G. and Malacria, S., 2024. Clarifying and differentiating discoverability. *Human-Computer Interaction*, pp.1-26.  , AR: 8%
- MobileHCI' 23 **Mackamul, E.**, Casiez, G. and Malacria, S., 2023. Exploring visual signifier characteristics to improve the perception of affordances of in-place touch inputs. *Proceedings of the ACM on Human-Computer Interaction*, 7(MHCI), pp.1-32.  , AR: 38.2%, 42/110.
- IHM' 23 Casiez, G., Malacria, S. and **Mackamul, E.**, 2023. Signifidgets: What you see is what widget!. In *IHM 2023-34e Conférence Internationale Francophone sur l'Interaction Humain-Machine*. 
- CHI' 22 **Mackamul, E.**, 2022, April. Improving the discoverability of interactions in interactive systems. In *CHI Conference on Human Factors in Computing Systems Extended Abstracts* (pp. 1-5).  
- SUI' 18 **Mackamul, E.B.** and Esteves, A., 2018, October. A Look at the Effects of Handheld and Projected Augmented-reality on a Collaborative Task. In *Proceedings of the 2018 ACM Symposium on Spatial User Interaction* (pp. 74-78).  , AR: 31.1%  
19/61

## Certifications

- 2025 **French National Accreditation for Assistant Professorship** Qualification aux fonctions de Maître de Conférences *CNU Section 27 Informatique*

## Teaching

Year	Location	Course	Hours
2026	Simon Fraser University	User Interface Design / HCI	1
2024/2025	Grenoble INP	Interaction Humain Machine	12
2016/2017	Edinburgh Napier University	Ubiquitous Computing (Teaching Assistant)	35

## Prizes and Distinctions

- 2025 **Honourable Mention**  
CHI “Does Adding Visual Signifiers in Animated Transitions Improve Interaction Discoverability?”
- 2023 **Honourable Mention**  
MobileHCI “Exploring visual signifier characteristics to improve the perception of affordances of in-place touch inputs”
- 2019 **HCI Master Prize**  
Awarded by the School of Computer Science at the University of Nottingham for the best Masters thesis in Human-Computer Interaction
- 2018 **Lawrence Ho Student Prize**  
Awarded by Edinburgh Napier University for the best student theses in gaming technology or computer game research and/or development

## Financing

- **LIG Laboratory, Axis SIC, IJHM/M-PSI Groups**  
One-year postdoctoral funding of the laboratory supporting the collaboration between different teams of the LIG of the University of Grenoble Alpes  
Date: 2025
- **MITACS Globalink**  
The grant supports research collaborations between Canada and select partner organizations in eligible countries and regions.  
Date: 2023
- **MOBILEX**  
Supports, on the basis of the excellence of the projects, the international mobility of students from the University of Lille and its partner universities.  
Date: 2023
- **Weston Scholarship**  
University of Nottingham Tuition Fee Scholarship based on Academic Excellence  
Date: 2018

## Service and Volunteering

**Program Committee Member** ACM MobileHCI 2025, CHI Posters 2026

**External Reviewer** ACM CHI 2021 / 2025 / 2026, DIS 2026, CSCW 2026, C&C 2026, VLHCC 2026, New Review of Hypermedia and Multimedia 2025, Journal for Library and Information Science 2026

**Student Volunteer at Conferences** ACM SUI Spatial User Interaction 2018

**Organising** Salish SIGCHI Research Event 2026 Support, Simon Fraser University  
Postdoctoral Association Executive Council 2026/27