Eva **Mackamul**

Research Interest

I am a postdoctoral researcher at the ixLab at Simon Fraser University's School of Computing Science, working with Parmit Chilana. 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 now investigating in the context of AI Agents.

Experience

2025 -	**Postdoctoral Researcher** Simon Fraser University - ixLab
2024 - 2025	**Postdoctoral Researcher** CNRS and Université Grenoble Alpes - LIG - IIHM
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
2005 - 2013	**Abitur**, Ellentalgymnasien Bietigheim-Bissingen, Germany

Publications

CHI' 26 Under Revision
Mackamul, E., Maillard, T., Marceau, N., Coulibaly, Y., Pansiot, J., Boissieux, L., Vaufreydaz, D., Roudaut, A., Coutrix, C.

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

Teaching

Date	Location	Title	Total Volume
2024/2025	Grenoble INP	Interaction Humain Machine	12
2016/2017	Edinburgh Napier University	Ubiquitous Computing	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, IIHM/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 Sum: CAD 6000

- **MOBLILEX**
  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 Sum: EUR 2000

- **Weston Scholarship**
  University of Nottingham Tuition Fee Scholarship based on Academic Excellence
  Date: 2018 Sum: GBP 6840