

# Aini Putkonen

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## CONTACT INFORMATION

Aini Putkonen  
Helsinki, Finland

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[GitHub](#) [Twitter](#)

## PROFESSIONAL INTERESTS

My research focuses on understanding human decision-making in interactive systems. I build computational models that are, in particular, founded in theories of human decision-making developed in cognitive science, economics and psychology. I am interested in how these theories can be used in simulation models of human behaviour.

## EDUCATION

**PhD, Human Computer Interaction** **Feb. 2021 - present**  
Aalto University School of Electrical Engineering, Espoo, Finland

- Research on user modelling in interactive systems (*User Interfaces* group).
- Supervisor: prof. Antti Oulasvirta.

**Visiting Research Student** **Sept. 2022 - Dec. 2022**  
University of Birmingham, Birmingham, UK

- Research visit for developing simulation models of user behaviour.
- Supervisor: prof. Andrew Howes.

**MSc, International Design Business Management** **Sept. 2019 - Nov. 2020**  
Aalto University School of Science, Espoo, Finland

- Thesis: *Inverse Modelling of Players' Attitudes Towards Risk in Tactical Turn-based Games*.
- Graduation with honours (GPA 4.8/5).

**BA, Economics & Management** **Oct. 2015 - Jul. 2018**  
University of Oxford (Brasenose College), Oxford, UK

- Subjects including: Behavioural and Experimental Economics, Quantitative Economics, Finance.

## WORK EXPERIENCE

**Research Assistant** **Jan. 2020 - Jan. 2021**  
Aalto University School of Electrical Engineering, Espoo, Finland

**Visiting Associate** **June 2020 - July 2020**  
Boston Consulting Group, Helsinki, Finland

**Junior Software Engineer** **July 2018 - Aug. 2019**  
Hogarth Worldwide (WPP Group), London, UK

**Features Intern, British Vogue** **Sept. 2017**  
Condé Nast, London, UK

**Operations Summer Analyst Intern** **June 2017 - Aug. 2017**  
JPMorgan Chase Bank, London, UK

## PUBLISHED RESEARCH

- **Aini Putkonen**, Aurélien Nioche, Markku Laine, Crista Kuuramo, and Antti Oulasvirta. (2023) *Fragmented Visual Attention in Web Browsing: Weibull Analysis of Item Visit Times ECIR '23 (Accepted)*.

- **Aini Putkonen**, Aurélien Nioche, Ville Tanskanen, Arto Klami, and Antti Oulasvirta. (2022) *How Suitable is Your Naturalistic Dataset for Theory-based User Modeling?* UMAP '22. <https://doi.org/10.1145/3503252.3531322>
- Yu-Jung Ko, **Aini Putkonen**, Ali Selman Aydin, Shirin Feiz, Yuheng Wang, Vikas Ashok, IV Ramakrishnan, Antti Oulasvirta, and Xiaojun Bi. (2021) *Modeling Gliding-based Target Selection for Blind Touchscreen Users*. *MobileHCI '21* . <https://doi.org/10.1145/3447526.3472022>
- Ville Tanskanen, Chang Rajani, Hodayun Afrabandpey, **Aini Putkonen**, Aurélien Nioche, Arto Klami (2021) *Modeling Risky Choices in Unknown Environments*. *ACML 2021* . <https://proceedings.mlr.press/v157/tanskanen21a.html>

TEACHING  
EXPERIENCE

**ELEC-E7851 – Computational User Interface Design**, Aalto University School of Electrical Engineering

- Giving the lecture *Modeling workflow* (available [here](#)). **Fall 2021**

**ELEC-E7890 – User Research**, Aalto University School of Electrical Engineering

- Giving the lecture *User Modeling* (available [here](#)). **Fall 2021**
- Acting as the main teaching assistant. **Fall 2020**

**ELEC-D7010 - Engineering for Humans**, Aalto University School of Electrical Engineering

- Giving the lecture *Decision-making and Reasoning*. **Spring 2022**
- Giving the lecture *Heuristics and Biases in Human Decision-Making*. **Spring 2021**

LANGUAGES

**Finnish**, native speaker  
**English**, native proficiency  
**French**, conversational  
**Swedish**, national language requirement fulfilled