

Lisa Malki

Summary

Enthusiastic postgraduate researcher who has recently completed a Master's degree in Human-Computer Interaction with the UCL Interaction Centre (UCLIC). I intend to pursue doctoral research in the area of explainable AI. I am particularly interested in using sensemaking theory to explore the range of algorithm folk-theories constructed by users to explain the function of social media algorithms, and how these folk-theories shape users' everyday social media practices with a view to designing recommendation systems which are interpretable to users.

Education

University College London (UCL)

Sep. 2021 - Sep. 2022

MSc. IN HUMAN COMPUTER INTERACTION (DISTINCTION)

- Projected to achieve a Distinction grade, current programme average 83%
- Achieved 90% and a special mention for publishable quality for coursework in the Accessibility and Assistive Technologies module
- Relevant Modules: *Interaction Science, Interaction Design, Accessible and Assistive Technologies, User-centred Data Visualisation, Serious and Persuasive Games, Affective Interaction*
- Dissertation Title: *A mixed-methods exploratory analysis of women's health misinformation on social media*

University of Warwick

Oct. 2017 - Jun. 2020

BSc. IN COMPUTER SCIENCE (FIRST CLASS)

- Achieved a First Class degree with an average of 80.5% in the final year
- Achieved 88% in dissertation report, and won a departmental prize for best undergraduate dissertation
- Relevant Modules: *Programming for Computer Scientists, Software Engineering, Machine Learning, Social Informatics, Project Management*
- Dissertation Title: *Developing a Design Framework for Combatting UI Dark Patterns*

St. Michael's Catholic Grammar School

Sep. 2015 - Jun. 2017

A-LEVEL QUALIFICATIONS

- Mathematics (A*), Further Mathematics (A) and Physics (A)

Research Projects

MSc. Dissertation, University College London

May 2022 - Sep. 2022

A MIXED-METHODS EXPLORATORY ANALYSIS OF WOMEN'S HEALTH MISINFORMATION ON SOCIAL MEDIA

Supervisors: Dr. Aneesh Singh and
Dilsha Patel

- Three-month individual dissertation project conducted over the summer of 2022.
- Two studies were conducted: a content analysis of officially fact-checked social media posts relating to women's health, and a diary and interview study with 19 female participants, investigating the sensemaking processes underpinning women's encounters with health misinformation.
- Dissertation has been submitted for marking with intent to publish in future.

SNAP Creative Challenge 2021

Oct. 2021 - Dec. 2021

PAINT ME: AN AR INTERVENTION DESIGNED TO FOSTER VALUABLE EXPERIENCES BETWEEN CO-LOCATED MUSEUM VISITORS

- HCI competition funded by Snap Inc. focused on designing social AR experiences for co-located individuals.
- I led a group of fellow HCI MSc. students in designing an AR exhibit for the British Museum, and completed a Q+As session with a judges panel.
- My group won a competition within UCLIC, and was entered into the Snap Creative Challenge to represent UCL globally. A video presentation of our design was presented at the Snap Creative Challenge showcase.

Undergraduate Dissertation Project, University of Warwick

Oct. 2019 - Jun. 2020

DEVELOPING A DESIGN FRAMEWORK FOR COMBATting UI DARK PATTERNS

Supervisor: Professor Rob Procter

- Independent project conducted over the course of my final undergraduate year, focusing on the elimination of dark patterns from e-commerce platforms through value-sensitive design.
- A novel design framework aimed at eliminating specific types of dark patterns was derived from an initial systematic review of the literature.
- A prototype e-commerce website compliant with the derived framework was developed and validated through a laboratory experiment and interviews with users.

Additional Experience

Statkraft

Jul. 2020 - Sep. 2021

DATA ANALYST INTERN

London, United Kingdom

- Year-long data science internship with Norwegian renewable energy company Statkraft.
- Worked as an analyst for the trading team, and used Python to develop explainable predictive algorithms for fuel supply and demand.
- Helped to manage the team's PostgreSQL database server, and ensured integrity and quality of data.
- Developed front-end visualisations and interactive dashboard apps using a React framework for Python to communicate high-level trends to the traders.

Volunteer Web Design and Development

May 2018 - Present

ST. MARY'S HARROW-ON-THE-HILL, WARWICK BAND SOCIETY

- I have volunteered my skills as a UX designer and web developer to redevelop websites for community organisations such as local churches and university societies.
- Employed user-centred design methods to gather requirements before iteratively prototyping, developing and evaluating design with users.
- Performed ongoing maintenance for websites, and

Relevant Skills

- **HCI research methods:** Experience recruiting for and conducting in-depth interviews, surveys, lab studies, and mixed-methods diary studies individually and in a group.
- **User-centred design:** Experience in all stages of the user-centred design process, and strong prototyping skills. I have used paper and digital tools such as Adobe XD, Illustrator, and Arduino to prototype websites, tangible interfaces and AR applications at varying fidelities.
- **Data analysis:** Experience using inferential and descriptive statistical methods to analyse data from quantitative studies, and in using inductive and deductive thematic analysis for qualitative data.
- **Analysis tools:** Experience with software tools and packages for data analysis, including JASP, Excel, Python, R, and NVivo.
- **Programming:** Proficient in Python, Java, HTML/CSS/JavaScript and C/C++/C# with particular experience using Python for machine learning, data analytics, and data visualisation.
- **Research ethics:** I have received training for GDPR and data protection in HCI research, and have experience with the ethical approval process for research studies.
- **Technical writing:** Experience writing systematic and narrative literature reviews, technical reports, and essays to a high standard.