

Viviane Herdel

RESEARCHER
PHD CANDIDATE

Kfar Saba, Israel

Innovative Thinker
Dedicated Team Player
Empathetic Communicator
Analytical Mindset
Curious Learner

✉ herdelv@gmail.com

☎ +972 533 912 926

in [LinkedIn](#)

📁 [Portfolio](#)

✂ [Twitter](#)

UXR METHODS

- User-centered design
- Applied and product research
- UX research methods: quantitative and qualitative, generative and evaluative
- User studies: user interviews, focus groups, usability testing, participatory workshops, discovery studies, surveys and questionnaires, online experiments and lab studies
- Data analysis: quantitative and qualitative, multivariate and inferential statistics
- Prototyping and UI evaluation
- Communicating user research findings and recommendations (written reports, presentations)

SOFTWARE, TOOLS & PROGRAMMING

- Figma, Inkscape, Canva
- Python, Matlab, R
- Qualtrics
- Mechanical Turk
- LaTeX

TEACHING

Human-Computer Interaction
for Mobile Application Design

Ben-Gurion University of the
Negev, Israel, WS, 22/23

EDUCATION

Ph.D. in Human-Computer Interaction

Ben-Gurion University of the Negev, Israel
2020 – 2024

- 4th year Ph.D. student, Magic Lab, Dept. of Industrial Engineering & Management
- Topic: Emotions in Human-Drone Interaction: Affective Perception and Appropriateness
- Advisors: Dr. Jessica Cauchard, Prof. Yisrael Parmet

Master (M.Sc.) in Neurocognitive Psychology

University of Oldenburg, Germany
2018 – 2020

- Highest grade with distinction
- Research visit in the Magic Lab for my Master's thesis: Human Response to Facial Expressions on Drones (highest grade)

Bachelor (B.Sc.) in Sensors and Cognitive Psychology

Chemnitz University of Technology, Germany
2013 – 2017

SELECTED PUBLICATIONS

V. Herdel and J. R. Cauchard. Emotion Appropriateness in Human-Drone Interaction. Springer International Journal of Social Robotics, 2024. doi.org/10.1007/s12369-023-01094-x

V. Herdel, A. Kuzminykh, Y. Parmet and J. R. Cauchard. Anthropomorphism and Affective Perception: Dimensions, Measurements, and Interdependencies in Aerial Robotics. IEEE Transactions on Affective Computing, 2024. doi.org/10.1109/TAFFC.2024.3349858

V. Herdel, L. J. Yamin, and J. R. Cauchard. Above and Beyond: A Scoping Review of Domains and Applications for Human-Drone Interaction. ACM CHI, 2022. doi.org/10.1145/3491102.3501881 -- honorable mention, top 5% --

V. Herdel, A. Kuzminykh, A. Hildebrandt, and J. R. Cauchard. 2021. Drone in Love: Emotional Perception of Facial Expressions on Flying Robots. ACM CHI, 2021. doi.org/10.1145/3411764.3445495

V. Herdel, L. J. Yamin, E. Ginosar, and J. R. Cauchard. 2021. Public Drone: Attitude Towards Drone Capabilities in Various Contexts. ACM MobileHCI, 2021. doi.org/10.1145/3447526.3472053

V. Herdel, B. Wortelen, M. Lanezki, and A. Lüdtkke. 2020. A Generalized User Interface Concept to Enable Retrospective System Analysis in Monitoring Systems. Springer HCII, 2020. doi.org/10.1007/978-3-030-50020-7_3

CONFERENCE ORGANIZATION

- **ACM MobileHCI 2024**
Workshop Organizer:
"Affective Computing for
Mobile Technologies"
<https://acimt.github.io/>
- **ACM CHI 2024, 2022, 2021**
Student volunteer
- **ACM CHI 2023**
Subcommittee chair assistant
& Student volunteer
- **ACM MobileHCI 2020**
Student volunteer

LANGUAGES

- German – Native proficiency
- English – Full professional proficiency
- Hebrew – Limited working proficiency
- Spanish – Limited working proficiency

INTERESTS

- Psychology and personal development
- TED talks
- New technology and design trends
- Meeting friends
- Traveling and getting to know new people and places
- Surfing
- Nature and hiking
- Cooking and food

SELECTED WORK EXPERIENCE

Research Scientist

Nokia Bell Labs, Cambridge, UK summer internship 2023

- Conducting a scoping review of AI technologies
- Developing and evaluating a new methodology for mapping the risk landscape of AI technologies by utilizing LLMs
- Presenting work to key stakeholders, incl. President of Bell Labs Solutions Research at Nokia Bell Labs and other senior leaders

UX Researcher

Google, Munich, Germany summer internship 2022

- Evaluating interfaces for mobile applications
 - Planning and executing usability tests and user interviews
 - Conducting and evaluating expert interviews
 - Designing and conducting large-scale online experiments
- Analyzing data to extract meaningful insights
- Communicating strategic insights and providing recommendations to multi-disciplinary stakeholders

UX Researcher

OFFIS – Institute for Information Technology, 2019 – 2020
Human-Centered Design Group, Oldenburg, Germany

- Conducting user interviews
- Performing user needs analysis through user-centered approach
- Creating user interface prototypes
- Discussing and iterating design concepts with stakeholders
- Scientific writing

Research Assistant

University of Oldenburg, Germany 2018 – 2018
Applied Neurocognitive Psychology Lab

- Developing and conducting an fMRI driving simulator study
- Analyzing fMRI data and driver behavior

SCHOLARSHIPS & ACHIEVEMENTS

Recipient of the Outstanding Student Research Award

Nokia's Global Student Program 2023

Dean's List

Dean of the Faculty of Engineering (Ben-Gurion University) 2023

ACM-Women Scholarship Award

Association for Computing Machinery 2022

Invited speaker at Wing, a subsidiary of Alphabet Inc. that develops technology of drone-based delivery 2022

Negev Tzin Scholarship for outstanding students

Ben-Gurion University of the Negev 2021 – present

ABC Robotics Initiative – Agricultural, Biological & Cognitive Fellowship for outstanding students

ABC Robotics Initiative 2020 – present

Invited Workshop Instructor for Quantitative Data Analysis at the Toronto Human-AI Interaction Summer Research School 2021 and 2022 (Canada). www.thai-rs.com/