



Hanna Loschacoff

Creative Technologist + Interaction Designer

With a Master in Industrial Design from TU Eindhoven, I build interactive systems end to end: from sensors, motors and ESP32 microcontrollers programmed in C++, to Python pipelines, databases and AI agents that run in production. Grounded in interaction design and psychology, I bridge creativity and technical rigor to turn concepts into digital and physical human-machine experiences.

Languages

English (Fluent)
Dutch (Native)
Portuguese (Native)
Spanish (Moderate)

Technical Skills

Software & infrastructure

Python (pandas, numpy, plotly)
HTML + JavaScript (React.js & Node.js)
REST API's
SQL & Postgres
Digital Ocean
Metabase & PowerBI

AI

LLMs & AI agents (Copilot Studio)
Computer vision AI (PyTorch, TensorFlow, Google MediaPipe)

Hardware & electronics

Arduino / ESP32 (C++)
Sensors & actuators (radar, stepper motors)
Communication protocols (I2C, UART, IoT)

Design & prototyping

Solidworks
Rhino 7 (+ Grasshopper)
3D printing & Keyshot
Adobe Suite & Figma

Work experience

AI Specialist at Nobralux & Afinius

(SaaS for infrastructure management for 70+ municipalities in the Netherlands)

Jul 2026 - Present

- Developing AI agents, including the data wrangling behind them and connecting them to a knowledge base
- Writing Python scripts that clean, uniformize and structure data, extract information from docs, PDFs and Excel files and merge it into one database
- Building BI dashboards (data cleaning + modelling) on Postgres with Metabase and PowerBI
- Researching pain points with users and translating complex processes into technical solutions

AI Agents

Python

Postgres

Copilot Studio

User research

Creative Technologist & Interaction Designer at Bureau Moeilijke Dingen

(design and software development company)

Feb 2025 - Jul 2025

- Independently conceptualized and built a working robot that combines a computer vision AI model for gaze tracking, a 24GHz radar sensor and stepper motors, driven by an ESP32 microcontroller (C++) and an IoT messaging protocol

Computer vision AI

ESP32 / C++

Radar sensor

Solidworks

UX Designer & Researcher for collaboration platform at Alliance EWUU

(UMC Utrecht, TU Eindhoven, Wageningen University and Utrecht University)

Jul 2023 - Jul 2024

- Conducting interviews, data analysis, design recommendations and digital prototypes

Design research methods

User experience

Figma

Contact

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+31 619451464

portfolio:

<https://www.hannaloschacoff.com/>

Research methods

User generative methods
Thematic analysis (inductive & deductive)
Interviews, surveys & probe studies
User journey mapping
Benchmarking
Data analytics (Python pandas, numpy & plotly)

Soft skills

Proactive
Analytical
Critical thinking
Leadership
Design thinking
Pitching

Interests

Science:

Robotics
Interactive materials
Mechanisms
Biomimicry
Interaction & Experience Design
Psychology & Criminology
Ethics

Free time:

Music production
Creative electronics
Basketball

Form and Interaction Design Intern at Smartfloor
(health tech company)

Sep 2021 - Feb 2022

- Re-designing the form and interaction of a smart ankle wearable (collecting walking data which predicts fall risk and Parkinson's)

Solidworks

User research on comfort and perception

3D printing

Education

Master Industrial Design at TU Eindhoven
(track Research & Development)

Sep 2023 - Jan 2026

- Thesis "A robot that mirrors how we interpret others through our own biased social lens" | Grade: 9/10
- Selected courses: "Making sense of Sensors", "Interactive Materiality", "Designing IoT systems", "Designing user interfaces with emerging technologies" and "Design research"

Minor Industrial Design Engineering at TU Delft

Sep 2024 - Jan 2025

- Courses: "Lighting Design", "Designing responsible AI" and "Advanced visualization for design"

Bachelor Industrial Design at TU Eindhoven

Sep 2019 - June 2023

- Thesis "How can technologies increase the feeling of safety of survivors that live in close proximity to perpetrators?" | Grade: 8/10
- Selected courses: "Creative electronics", "Digital craftsmanship", "Aesthetics of interaction", "Data analytics", "Applied physics" and "Applied calculus"

Minor Criminology at University of Utrecht

Sep 2022 - Feb 2023

- Selected courses: "Advanced criminology", "Forensic psychiatry and psychology" and "European Law"

Contact

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