



Hanna Loschacoff

Engineer & Industrial Designer

With a Master in Industrial Design from TU Eindhoven, I specialize in interactive experiential prototypes that combine AI, electronics, and software. Skilled in CAD, C++, Python, and computer vision, and grounded in interaction design and psychology. Bridging creativity and technical rigor to turn concepts into digital & physical human-machine experiences.

Languages

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

Technical Skills

Hardware & Software Dev

Arduino/ESP32 (C++)
Computer vision AI
(PyTorch, TensorFlow, Google
MediaPipe)
REST API's
Python
Touch Designer
Creative electronics
HTML + Javascript
(React.js & Node.js)
Communication
Protocols (I2C, IoT and UART)
Data analytics (Python
pandas library)
Ableton

Digital craftsmanship/ manufacturing

3D printing (FDM, SLA, on
textiles)
Laser cutting
Vaccum forming
Sewing & embroidery

2D & 3D visualization

Adobe Suite (Ps, Id, Ai, Pr)
Keyshot
Solidworks
Rhino 7 (+ Grasshopper)

Work experience

Creative technologist & Interaction Designer at Bureau Moeilijke Dingen (design and software development company)

Feb 2025 - Jul 2025

- Independently conceptualized and prototyped a robot which uses computer vision AI model for gaze tracking, 24GHz radar sensor, stepper motors, IoT messaging protocol and ESP32 micro controller
- Solidworks | Computer vision AI | ESP32 | Radar sensor

UX designer & reseacher 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

Form and Interaction Design Intern at Smartfloor (health design 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

Minor Industrial Design Engineering at TU Delft

Sep 2024 - Jan 2025

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

Soft skills

Proactive
Analytical
Critical thinking
Creative
experimentation
Design thinking
Pitching

Interests

Robotics
Biomimicry
Mechanisms
Interactive materials
Interaction Design
Experience Design
Ethics
Psychology and
Ecology

Free time:

Music production
Creative electronics
Basketball

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: "Interactive Materiality", "Designing user interfaces with emerging technologies", "Design research" and "Designing lot systems"

Minor Criminology at University of Utrecht

Sep 2022 - Feb 2023

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

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: "Data analytics", "Aesthetics of interaction", "Digital craftsmanship", "Creative electronics", "Business design", "Applied physics" and "Applied calculus"

Contact

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