

JESSE STRIJKER

CONTACT

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github.com/ElmoNeedsArson

SKILLS

Programming

JavaScript, TypeScript, Python, C, C#,
Java, SQL

Embedded / Electronics

Teensy, ESP32, Raspberry Pi, Arduino,
(fritzing)

Physical & Fabrication

Laser cutting, 3D printing, Sewing

3D & Creative Tools

Fusion 360, Blender, Maya, Blockbench,
Slicers

(Web)Design

Figma, WordPress, Svelte, Three.js,
HTML/CSS

Software Suites

Adobe (Illustrator, Premiere Pro),
Microsoft Office, Unity, SPSS, Tableau

LANGUAGES

Dutch - Native

English - Fluent

German - High school level

French - High school level

Norwegian - Beginner

INTERESTS

Bouldering

Minecraft modding/datapacks

Sci-fi & creative coding

Troubleshooting anything

EDUCATION

MSc Robotics

Starting Sept 2026

University of Twente - EEMCS

MSc Industrial Design

2024 – 2026

Eindhoven University of Technology (TU/e)

Focus on embodied interaction and HCI. Thesis: "Utilizing/manipulating common devices for embodied learning."

Exchange Semester, Computer Science

Aug 2025 – Jan 2026

Technical University of Denmark (DTU), Copenhagen

One-semester exchange with a focus on computer science coursework.

BSc Creative Technology

2020 – 2024

University of Twente - EEMCS

Crossover of electrical engineering, computer science, and industrial design, with a focus on creative applications. Thesis: "Effect of included vs. excluded briefings in serious games."

VWO, Technasium

2014 – 2020

't Hooghe Landt

EXPERIENCE

Teaching Assistant - course "Playful Interactions"

Feb 2026 – May 2026

Eindhoven University of Technology

Supported students in creating playful interactions using microcontrollers, sensors, and actuators, from concept development through to electronics implementation.

Assistent-bijlesdocent (Assistant Tutor)

Feb 2024 – Jul 2024

Perquin & Van der Burgh

Tutored students in both mainstream and special education settings, including students with autism and behavioral needs.

Co-Founder

Jun 2022 – May 2024

ExoMembra

Developed cosplay-inspired exoskeletons as a rapid prototyping method for the medical device market.

Teaching Assistant - course "Interactive Visualization"

Feb 2022 – May 2024

University of Twente

Supported 3D courses (Blender, Maya) during the 2nd and 3rd year of the bachelor.

Research Assistant

Sep 2023 – Feb 2024

University of Twente

Built and tested a ready-to-use VR onboarding setup for researchers, designing the interactions and their form to introduce study participants to VR.

Voorraadmedewerker (supply clerk)

Aug 2017 – May 2020

Jumbo Supermarkten

Babysitting (freelance)

Sep 2018 – Sep 2020

PUBLICATIONS

Wordbond - AI-powered shared reading tool (OCR, LLM correction, hand-tracking, TTS) helping visually impaired parents read physical books aloud in their own voice. Published at ICHEC 2025 (ACM)

Digital Twins in Education - currently in progress toward publication.