



CONTACT

LOCATION

Trier, Germany

EMAIL

joeldeffner@pm.me

PORTFOLIO

portfolio.jdeffner.com

GITHUB

github.com/JDeffner

SKILLS

MAIN STRENGTHS

TypeScript · LLM integration · PHP · CodeIgniter 4 · Web development

SUPPLEMENTARY STRENGTHS

LaTeX · Agent orchestration · Photoshop · Lightroom

OTHER SKILLS

Unity + C# · React · GSAP · Meta XR · Language Server Protocol · SQL

LANGUAGES

German (native)
English (Cambridge C2)
French (B1)
Japanese (UNICert® Basis)

CERTIFICATE

ECDL Base

INTERESTS

Photography (@joel.intheskies) · Travel

CURRICULUM VITAE · SEPTEMBER 2026

Joël Deffner

WEB APPLICATIONS · TOOLS · AI INTEGRATION

MOTIVATION

I keep up with the latest developments in AI. I enjoy finding tools and workflows that do not work smoothly yet and building a satisfying solution, as with the Paradox Modding Toolkit. In the Digital Factory, I want to bring that approach to a team and build useful software together. Meeting new people, exchanging ideas and discovering and sharing new perspectives matter just as much to me.

EDUCATION

M.Sc. Computer Science (ongoing)

exp. 2027

University of Trier · Research project: AI-assisted VR scene editing (two-person team, Unity/C#).

B.Sc. Computer Science

2026

University of Trier · Minor in Japanese · Thesis: ai-form-fill.

SELECTED PROJECTS

FlightMeet

2026

SOLO UNIVERSITY PROJECT · CODEIGNITER / REACT / TYPESCRIPT

Paragliding platform with meetup filters, group chat and a weather map. Developed the frontend, PHP API and MySQL data model as a solo project, with validation errors beside the relevant inputs. Browser demo and source are public.

ai-form-fill

2026

BACHELOR'S THESIS · TYPESCRIPT · PUBLISHED ON NPM

Library with no runtime dependencies for form entry by text or voice. Derives its schema from the DOM and updates framework inputs through native setters and events. A rework raised passing cases from 19 to 23 out of 29 with the same model; six still failed.

Paradox Modding Toolkit

since 2026

OPEN SOURCE · TYPESCRIPT · VS CODE / LSP

Extension with completion, error checks and GUI preview, available on the VS Code Marketplace. My focus: requirements, architecture, typed client-server interfaces and review.

TEACHING & UNIVERSITY INVOLVEMENT

Web Development Tutor

2024

UNIVERSITY OF TRIER

Helped with PHP, CodeIgniter and JavaScript assignments, debugged with students, gave feedback on submissions and independently led a tutorial session.

Student Representation

since 2023

COMPUTER SCIENCE COUNCIL · DEPARTMENT · PARLIAMENT

Computer Science student council since 2023, student parliament since 2025, departmental council from 2025 to March 2026. Represented students and coordinated with faculty and administration.