

Mehmet Karpuz

Independent Web Developer

Erfurt, Germany | mehmetkarpuzz@gmail.com
mehmetkarpuz.dev | github.com/mkarpuz | [LinkedIn](#)

Independent web developer and communication science graduate. Designed and released LinguStream for web and Android using React, TypeScript, Supabase and AI-assisted development. Brings systematic research methods, interface-design practice and over four years of professional media-production experience.

Selected development projects

LinguStream

Mar 2026 - present

Independent designer and developer | React, TypeScript, Vite, Tailwind CSS, Supabase

- Designed and built a language-learning app connecting videos, audio and reading with contextual word explanations, saved vocabulary and flashcard review.
- Integrated Supabase authentication and learning-data storage. Released the web and Android application in May 2026 and reviewed early usage with Google Analytics.

lingustream.com

Thinking in Code

Active project

Programming-learning application | React, TypeScript

- Building visual programming challenges with explanations, learner feedback and an interactive program editor.
- Implemented a TypeScript grid simulation engine, structured JSON lessons and a code bridge connecting visual programs to Python and JavaScript.

German Speaking Partner

In development

Speaking-practice application | Python, FastAPI, Next.js

- Developing recorded-speech practice with editable transcripts, AI-generated replies and audio playback, plus saved conversations and transcript-based vocabulary decks.

Comment annotation application

Research tool

Independent project | Python, Streamlit

- Built a tool for manual comment labelling, frame classification, filtering and saving coding sessions for later continuation.

Technical and creative skills

Web: React, TypeScript, Vite, Tailwind CSS and Supabase project experience; HTML, CSS and JavaScript foundations.

Python: Data and text analysis; pandas, NumPy, NLTK and VADER. FastAPI and Streamlit through personal applications.

Design and workflow: Figma, user flows and interface design; Git, GitHub and AI-assisted development.

Media: Video production; Premiere Pro, After Effects, Photoshop and InDesign.

Professional experience

Research Assistant

Dec 2025 - Mar 2026

Technische Universität Ilmenau | Media and Communication Science

Contributed to a team study of approximately 700 YouTube videos, codebook development and three rounds of intercoder reliability testing.

Scientific Assistant in media production

Apr 2025 - Dec 2025

Friedrich Schiller University Jena | Abbe Center of Photonics

Produced informational videos for international prospective students, revised tutorials and created graphics for social media.

Student Assistant in media production

Mar 2024 - Dec 2024

Technische Universität Ilmenau | Mittelstand-Digital Zentrum Ilmenau

Planned, filmed and edited videos; prepared print materials and visual content.

Video Producer | Initiative for Freedom of Expression

Nov 2023 - Feb 2024

Video Journalist | PIR Media GmbH | Remote

Dec 2021 - Sep 2023

News Editor | Cumhuriyet newspaper | Foreign News Desk

Jan 2021 - Dec 2021

Education

M.A. Media and Communication Science

Oct 2022 - Mar 2026

Technische Universität Ilmenau, Germany

Content analysis and computational communication methods. Used Python to analyse over 100,000 YouTube comments; manually analysed 200 videos for a thesis on DeepSeek framing.

B.A. Journalism

Sep 2013 - Jan 2018

Anadolu University, Türkiye

B.A. Sociology

Oct 2012 - Jun 2017

Anadolu University, Türkiye

Learning and practice

Completed The Odin Project Foundations course and IBM coursework in Python for data science and machine learning.

FPVVerse: an FPV-community landing page built from scratch using HTML, CSS and Flexbox as a Foundations learning project.

github.com/mkarpuz/fpverse

Additional experience and languages

Freelance UX review of getsmilebright.de; event videography and photography. Earlier video-production internship at TUATEAM, Valencia (May-Aug 2018).

Turkish: native | English: C1 | German: B1-B2 (self-assessment)