

# Oliver Pejic

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## Summary

Final-year Data Science student with hands-on work in sentence-transformer evaluation, reproducible ML pipelines, and practical teaching. Comfortable with data-analyst tooling (Power BI, SQL) and interested in agentic AI for coding education. Clear communicator who values clean implementations and measurable outcomes.

## Education

### FHNW — University of Applied Sciences Northwestern Switzerland

B.Sc. in Data Science

Sep 2022 – Feb 2026

### BBZ Solothurn-Grenchen

Technical Baccalaureate

Sep 2021 – Jul 2022

### GF Machining Solutions

Apprenticeship in Design Engineering (EFZ)

Aug 2017 – Jul 2021

## Experience

### Part-time Measurement Technician — Dreno GmbH, Holderbank, CH

Feb 2025 – Present

- Operate precision measurement machines and ensure measurement reliability.
- Maintain concise QA documentation to support production decisions.

### Intern Data Scientist (Abroad) — Technical University of Košice, Slovakia

Aug 2024 – Nov 2024

- Supported evaluation of sentence-transformer models with the MTEB toolkit.

### Headteacher — Code Camp, Zürich, CH

May 2022 – Feb 2025

- Led programming workshops for children and guided them in building simple games.
- Prepared course materials and supported collaborative problem-solving.

### Cashier Assistant — Lidl Switzerland, Hügendorf, CH

Nov 2022 – Apr 2023

- Operated checkout and supported daily store operations and customer service.

## Projects

### RAG Chatbot for Study Materials

- Designed a retrieval-augmented QA workflow and compared chunking/embedding strategies; added simple guardrails and evaluation scripts.

### Coffee Industry Trend Analysis (Thermoplan AG)

- Explored operational/market data to surface actionable patterns for stakeholders; emphasized reproducibility and clear communication of assumptions.

## Current Bachelor Thesis

### Building an Educational Coding Agent (Agentic AI for IDE/Editor Integration)

- Goal: Implement an agent that helps students practice code reading and critical reflection by revealing solutions incrementally and introducing typical, detectable errors.

## Skills

**Programming:** Python, R, SQL, HTML, CSS

**Analytics & BI:** Power BI

## Languages

German (Native) | Croatian (Native) | English (C1) | French (Basic)

## Interests

Football | 3D Printing | Fitness | Cooking | DIY Projects