



# Davide Wiest

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Website | GitHub | LinkedIn

## Profile

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University student excited about Machine Learning. Values pragmatism, honesty, and rational optimism.

## Education

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**Technische Universität Darmstadt** Okt 2025–Sep 2028  
Studying Computer Science (Informatik) B.Sc.  
**Gymnasium am Römerkastell, Alzey** Sep 2016–Apr 2025  
Graduated with Abitur grade 1.0 (equivalent to a 4.0 GPA); Advanced courses in Mathematics, Physics, Geography. Course representative (2022–2025). Geography paper "Analysis of Market Impacts of PV Expansion Using a Time-Series Algorithm Forecast", awarded full marks (15/15 MSS points). Mapped influence network of photovoltaic market; researched, compiled, and visualized data; developed and validated time-series forecast; assessed advantages, disadvantages, and risks of photovoltaics.

## Internships & Activities

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**Data Science Engineer Intern, Etalytics** June–Aug 2025  
Worked on a time-series regression framework to better predict the cost and energy savings when using Etalytics' EtaOne platform.  
**Course Instructor, Learnist** Feb–Jul 2023  
Taught systematic thinking and fundamental programming concepts to student groups.

## Selected Projects

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**Clac3 — A flexible backend with powerful macro expressions:** A programming-language backend that builds on patterns. Takes an abstract syntax tree and a set of patterns as input, constructs a decision tree of patterns, and applies them until no match remains. Supports powerful macros and flexible frontends, enabling metaprogramming since language syntax–defining macros reside within the program. After pattern application, converts to functional form for execution via a built-in interpreter (with optional LLVM-based backend).  
**LetoReader:** Adjustable speed-reading tool with multiple import options; stores data in browser storage. Over 40 regular users and 2,000+ Docker-image downloads. Developed in Blazor with MudBlazor UI; iterative improvements based on feedback.  
**ContextFlow:** C# library providing an abstraction layer over common LLM libraries (e.g., OpenAI). Emphasis on strong object-oriented architecture, intuitive design, and extensibility. Includes comprehensive NUnit test suite.

## Additional Courses & Activities

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Course: Introduction to Logic; Investing.

## Qualifications

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**Project Management:** Planning, task prioritization, design, feedback integration.  
**Soft Skills:** Rapid learning, interdisciplinary collaboration.  
**Languages:** German (native), English (proficient).  
**Tools & Software:** PowerPoint, Obsidian, VS Code, Git, Visual Studio, Canva.  
**Programming:** Python, F, C#

## Links

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Etylatics: <https://www.etarytics.com/>

Learnist: <https://learnist.de/uber/>

LetoReader: <https://leto.axym.org/>

ContextFlow (GitHub): <https://github.com/DavideWiest/ContextFlow>

Geography Paper PDF: [https://davidewiest.com/files/PV\\_Analyse\\_Facharbeit.pdf](https://davidewiest.com/files/PV_Analyse_Facharbeit.pdf)