



Jakub Ćwirlej

Journalist who builds with AI

20 years in the media · own language model, EUGEN 160M

PROFILE

I build AI-based tools and applications, from concept and architecture to the way the results are checked. I do not write code by hand: I define the tasks, run teams of AI agents and answer for the quality of the outcome, which I confirm with tests and measurements.

I am training my own language model for code, EUGEN 160M, from scratch, and I handle every stage: data preparation, architecture, a custom compute kernel, training stabilisation and evaluation. The model runs behind a public API that completes code and translates it from Python to C++ and Rust, verifying the result. I deploy my applications on Google Cloud.

Twenty years in the media taught me the rule that matters most when working with AI: an unverified result is not a result.

EXPERIENCE

since 2026

Co-founder

OrsonAI

- I design and develop AI tools for journalists: an editor with an assistant for research, verification, interview transcription and document analysis, and Orson Rec, an app that transcribes interviews as they are recorded.

App developer

ViaSanto

- A prayer app: an interactive rosary, novenas and a community praying for shared intentions. I lead it end to end, from concept and user interviews to release on the App Store and Google Play.

2005-2026

Reporter, camera operator and video editor

Telewizja Polska (TVP)

2024-2026 Reporterzy, a programme broadcast on TVP1

2020-2023 Magazyn Ekspresu Reporterów

2019-2023 Alarm!, a reportage programme broadcast on TVP1

2011-2018 Telekurier, a reportage programme broadcast on TVP Info

- Reports and documentary pieces for current-affairs programmes, from research to editing.

PROJECTS

- **EUGEN 160M**: my own language model for code, trained from scratch.
- **OrsonAI**: an editor for newsrooms with an AI assistant, on Google Cloud (Gemini, RAG).
- **This site's AI agent**: answers questions about my work; it has a public API and its own gateway to the models.
- **Open-source tools**: HDK, a Triton kernel, TetherGate.

HOW I WORK WITH AI

I design the tasks and run teams of AI agents in three stages: research, execution checked by two independent controllers, and verification. A test or a measurement decides whether the work is done, not the model's own claim.

CONTACT

Near Ghent, Belgium

jakub.cwirlej@gmail.com

linkedin.com/in/jakubcwirlej

LANGUAGES

Polish (native)

English (B2/C1)

French (A2/B1)

SKILLS

- AI solution design, model training and evaluation
- Google Cloud (Vertex AI, Cloud Run, BigQuery, Firestore, Secret Manager), Firebase
- Claude Code, Gemini API

EDUCATION

Adam Mickiewicz
University, Poznań

2004-2006

Philosophy and Social
Communication (not
completed).

WSSiP Academy of Art
and Design, Łódź

2016-2017

Film and TV camera operator
course.

DOWNLOADS

HDK (hdk-audit 0.1.2):
jakubcwirlej.com/files/hdk/hdk-audit-0.1.2.zip

Triton kernel (kernel.py):
jakubcwirlej.com/api/kernel

TetherGate (tethergate.py):
jakubcwirlej.com/files/tethergate.py