



Jacek Kozłowski

Software Developer | Computer Science Student | Engineer

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🔗 <https://github.com/JacKoz7>

Skills

- 🛠 Building and training machine learning models (classification, regression)
- 📊 Data processing and analysis (NumPy, pandas)
- 🔄 Version control and collaboration using Git and GitHub
- 🔗 Integrating AI models into applications (APIs, backend)
- 👥 Ability to work in a team across different methodologies (Agile, Scrum)
- 🧠 Working with large language models (LLMs, prompt engineering)
- 📖 Fundamentals of deep learning (TensorFlow / PyTorch)

Certifications

Transformer-Based AI in business Natural Language development Processing	Oct 2025 Google	LanguageCert Test of English C1 Oct 2023 LANGUAGECER T
Jan 2026 NVIDIA	Learned how to use AI for business optimization and growth.	Certified advanced (C1) English proficiency.
Learned how transformers work and how to apply them in NLP tasks.		

Languages

Polish	English	German
Native	C1	B1

Featured projects

- Fuzzy Sleep Apnea Detector**
Hybrid fuzzy expert system for sleep apnea detection from raw ECG. Four calibrated ML models (RF, SVM, KNN, MLP) feed a fuzzy inference engine producing an interpretable risk score. AUC 0.822 on 35 unseen patients (PhysioNet Apnea-ECG).
<https://github.com/JacKoz7/fuzzy-sleep-apnea-detector>
- LightGCN Recommender**
From-scratch PyTorch implementation of LightGCN (He et al., SIGIR 2020) - graph-based collaborative filtering with K-layer embedding propagation and BPR loss. Trained on Gowalla (1M interactions); Recall@20 = 0.1773 vs. paper's 0.1823.
<https://github.com/JacKoz7/LightGCN-Recommender>

Summary

I am a Computer Science Engineer and I am currently pursuing a Master's degree in Computer Science with a focus on Artificial Intelligence Engineering. I specialize in mobile application development, which is my primary focus, and I also have experience building fullstack applications. Additionally, I am developing my skills in machine learning and data science, which I aim to pursue professionally in the future. Outside of the digital world, I enjoy dancing, which helps me maintain a healthy work-life balance.

Experience

- diagno6.** Wrocław, Poland
Mobile Application Developer Jul 2025 - present
- Development of the diagno6 mobile application in React Native / Expo (iOS and Android)
 - Implementation of new features and user interface (UI)
 - Integration with backend services and user management in Firebase
 - Analytics tracking using PostHog
 - Preparing and managing app releases (TestFlight, Google Play, App Store)
- Transition Technologies MS** Lublin, Poland
Fullstack Developer jul 2025 - 1 month
- Completed a voluntary apprenticeship as fullstack developer
 - Built a web application using .NET (C#) and Angular
 - Worked in a Scrum team, developing both backend and frontend features
 - Collaborated with experienced developers

Education

- Lublin University of Technology** Master of Engineering
Computer Science Feb 2026 - present
Specialization: Artificial intelligence engineering
- Lublin University of Technology** Engineer • 5.0
Computer Science Oct 2022 - Feb 2026
Specialization: Software engineering

Awards

Rector's Scholarship for Academic Excellence - awarded for 2 consecutive years

Personal Data Consent

👤 I consent to the processing of my personal data for the purposes of recruitment for the position I am applying for.