

# Dominik Gmitterko

Coder | Artist | Me

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## Experience

- 2022–2024 **Product developer, Freelance.**  
Directly assisting clients with tailored full-stack solutions "from analysis to analytics"
- 2019–2022 **Data Engineer, Kiwi.com, Brno.**  
Building and maintaining data pipelines, contributing to the formation of a data warehouse, and assisting with analysis and visualization, while ensuring data quality
- 2017–2019 **Web Frontend, InQool a.s., Brno.**  
Creating custom web applications for e-shops. Notably, I've worked on 🌐 Brno iD
- 2015–2016 **Web Backend, WAME.sk, Bardejov.**  
Developer of custom e-commerce solutions in a small team

## Education

- 2018–2020 **Artificial Intelligence and Data Processing\***, *Master's degree*, Faculty of Informatics, Masaryk University.  
\*Not formally finalized
- 2015–2018 **Computer Systems and Data Processing, Bachelor's degree**, Faculty of Informatics, Masaryk University.
- 2010–2015 *Technické lýceum, Stredná priemyselná škola, Bardejov*

## Masters thesis

- Title *Tool Supporting Analysis of Meteorology Data*
- Supervisor RNDr. Tomáš Rebok, Ph.D.  
A newly built system allowing users to process and validate meteorological data while enhancing the analytical capabilities.
- Url 🌐 Full text

## Bachelors thesis

Title *Techniques for measuring similarity of educational items*  
Supervisor doc. Mgr. Radek Pelánek, Ph.D.  
Using machine learning to measure the similarity of questions in tutoring systems utilizing only the correctness of answers from users.  
Url [Full text](#), excerpt: [ienze.me/tmsei\\_thesis](#)

## Skills

### User-facing

- Javascript, Typescript,
- React, WebGL, Unity,
- CSS and preprocessors,
- UI/UX design.

### Business logic

- Python, Java,
- SQL databases,
- Document stores,
- C++, Testing.

### Operations

- Airflow, Jupyter, DBT,
- AI, Machine learning,
- Google Cloud, Docker,
- Linux, Kubernetes.

Languages English (*Fluent*), Slovak (*Native*), Czech

## Last notable project

2024 **Na medicínu**, *Internal system for a study course*, [namedicinu.cz](#).

*An application where students can find all necessary materials in one place, practice, and watch lectures. While giving lecturers quantitative data about what topics need to be covered better.*

- Lecture recordings,
- Flashcard training,
- User analytics,
- Video encoding and streaming,
- Generating quizzes for testing,
- Lecturer insights about students.