

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.
Creating and maintaining data pipelines, building data warehouse, assisting with analysis and visualization, ensuring data quality
- 2017–2019 **Web Frontend**, *InQool a.s.*, Brno.
Building custom web applications for eshops. 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 allowin 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 similarity of questions in tutoring systems utilizing only correctness of answers from users.
Url [Full text](#), excerpt: ienze.me/tmsei_thesis

<http://deegmiterko.com>

50+ small personal projects

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.