Mikołaj Gradowski

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mgradow.ski ☯

—— EXPERIENCE

STU ERGO Hestia SA   Jul 2021 – Sep 2021
Summer internship   *Sopot, Poland*
- ○   Developed and maintained reporting software used daily by regional managers.
- ○   Compiled ad-hoc reports, mainly using an Oracle® Database data warehouse.
- ○   Briefly used a Hadoop® cluster running Hive™.
- ○   Implemented small improvements across my office, e.g. introduced Git, started deploying Python programs in virtual environments.

"Alternatywa" music club   Nov 2018 – Mar 2020
Sound engineer   *Malbork, Poland*
- ○   Mixed audio during live performances — concerts, stand-ups, etc.
- ○   Set up and tore down sound and lighting equipment.

www.fabax.pl   Sep 2018
Website design and implementation   *Malbork, Poland*

—— EDUCATION

Gdańsk University of Technology   Oct 2019 – Jan 2023   *(expected)*
Data Engineering, B.Eng.   *Gdańsk, Poland*
- ○ Full-time undergraduate studies in English.
- ○ Lead by the *Faculty of Electronics, Telecommunication and Informatics*. The first four semesters also included classes at the *Faculty of Management and Economics*.

№1 Henryk Sienkiewicz High School   Sep 2016 – May 2019
Mathematics-Physics-IT programme   *Malbork, Poland*
- ○ Gdańsk University of Technology scholarship contest laureate.
- ○ Sound engineer at school events.

—— SKILLS

*nix operating systems, C, Django, Docker [Compose], Git, GitLab CI, Haskell, Julia, MongoDB, PyData stack, PyTorch, Python, SQL (Postgres, Oracle®, Hive™, SQLite, DuckDB), Vim, ConTeXt/LaTeX, async programming

—— PROJECTS

Optical tracking for billiards   2020–
Computer vision   *hobby project*
- ○ Aims to develop 3-dimensional optical tracking for statistical analysis of the sport.
- ○ Short video of an early prototype: https://youtu.be/fSLNEglZxrE

Real-time fall detection   2021
Computer vision   *university group project*
- ○ Uses a fully-convolutional neural network to detect fallen people at >30fps.
- ○ Short video presentation: https://youtu.be/xtDYDrC_Y38
- ○ Code: https://github.com/mgradowski/aiproject

—— INTERESTS

typography, electronic music production, piano, billiards, road cycling, cooking; modern programming languages and tooling, proof assistants and type systems, operating systems, computer algebra systems, computer vision, computer networks