

# Jakub Dvořák

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## Experience

- **Software developer at MSV Elektronika** (June 2023 – December 2023)
  - GUI app for analyzing railroad telemetry data from train control unit
  - Tech stack: Qt, C, C++, C#
- **Trainee R&D at IT4Innovations National Supercomputing Center, Ostrava** (December 2021 – July 2022)
  - Development of multi-threaded mesh generation for finite-elements method
  - Tech stack: Matlab, C-GAL, C++
- **Junior Python developer at Think Easy s.r.o.** (July 2021 – December 2021)
  - Backend development for a neighborhood social network happy-sousedede.com
  - Tech stack: Python, Django, REST, GraphQL, Docker, PostgreSQL, Poetry
- **Junior C/C++ programmer at KV2 Audio** (May 2019 – September 2020)
  - Software for audio equipment embedded devices, including management GUI
  - Tech stack: C, C++14, Qt, QML, Buildroot, Mootools.js

## Education

- **Computer Science at FEI VŠB-TUO** (2020 – 2024, in progress)
- **General Physics at Faculty of Mathematics and Physics, Charles University** (2015 – 2018, unfinished)

## Skills

- **Hobby projects:** Learning and tinkering with Haskell, Modern C++, Rust, Embedded Rust, CUDA, Python, C#
- **Math:** University math background, analytical thinking
- **Common skills:** Daily user of Linux, L<sup>A</sup>T<sub>E</sub>X, Git, Bash, GIMP, etc.

## Volunteering

- **Founder and main organizer of PNOC** (2013 – 2016)
  - Lecture night for high schoolers, anyone can speak about anything, ~ 250 attendees on each event
  - Inspired others across Czech republic (incl. BrNOC)
- **Main organizer of Vlájková** (2016 – now)
  - 24-hour live-action team-based capture-the-flag game in a forest
- **Co-organizer of FYKOS and Fyziklání** (2015 – 2018)
  - Educational events and competitions for high school physics enthusiasts, including a summer school

## Passions, interests and burdens

- **Strong traits:** Appetite for learning new things, not afraid of things that hurt
- **Sport:** Ice hockey (active player), running, orienteering, Vlájková, bike-packing, and many more conventional sports
- **Devouring:** Filtered coffee, burgers, pizzas, chocolate-covered pretzels, gramophone music, movies, video games
- **Superpowers:** Tearing bananas apart in own bare hands, meme page administrator, MS Paint power user