



# Matěj Frič

## Contact Info

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## Languages

Czech ●●●●●●●  
English ●●●●●○  
German ●●●○○○

## Hobbies



## Projects

- Bachelor thesis
- Corrosion segmentation
- Redis in-memory database
- Neural network from scratch

## Miscellaneous

Driving license category B

## About

With a background in Computational and Applied Mathematics from VŠB-TUO, I focus primarily on machine learning and computer vision. During my academic journey, I participated in research on Bayesian models for corrosion segmentation, which resulted in my bachelor thesis, *Scalable Probabilistic Approximation Method in Applications*. I am currently working on my master's thesis titled *In-Vehicle Driver State Analysis Using Image Segmentation*.

## Education

September 2020 – Present Ostrava

### VSB - Technical University of Ostrava

- Faculty of Electrical Engineering and Computer Science
- BSc Computational and Applied Mathematics
- MS Computer Science – Data Analysis and Processing

June 2022 Charles University, Poděbrady

### Summer Language School – Sommerkolleg 2022

- German for moderately advanced (B1)

September 2012 – June 2020 Ostrava

### Matiční Grammar School Ostrava

## Experience

June 2023 – Present Ostrava

### Data Scientist – Stora Enso

- Developed machine learning models for forestry applications using geospatial datasets , including satellite imagery
- Built computer vision solutions for industrial use cases
- Collaborated within an international team of data scientists

August 2022 – June 2024 Ostrava

### Junior Researcher – VSB-TUO

- Bayesian methods for corrosion segmentation

June 2019 – August 2024 Ostrava

### Shop Assistant – Kolovna Koncept, s.r.o.

June 2018 – July 2018 Kopřivnice

### Quality Controller – Röchling Automotive

## Skills

- |                |             |                    |
|----------------|-------------|--------------------|
| Python         | Linux, bash | AI/ML              |
| MS-SQL, PL-SQL | Azure       | Tensorflow/Pytorch |
| Docker         | Databricks  | Apache Spark       |
| Git            | Rust        | LaTeX              |