

DOMINIK STEINHAUSER

FULLSTACK DEVELOPER

Brno, Czechia
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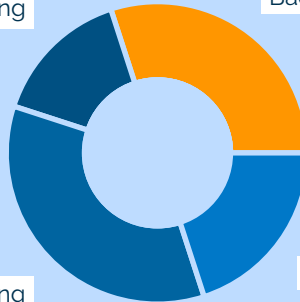
Brno University of Technology

I am an enthusiast for AI and computer vision development always looking for new challenges.

AREAS OF INTEREST

Image processing

Backend



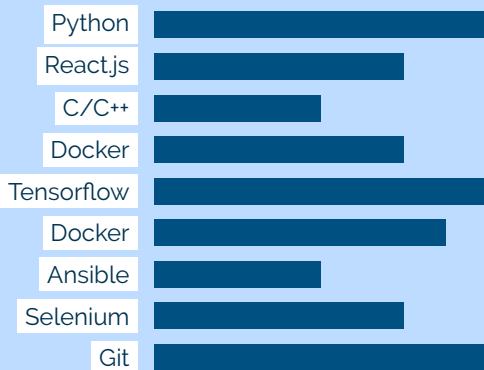
Machine learning

Frontend

FOREIGN LANGUAGES

English (C1)
Spanish (C1)
German (B1)

LANGUAGES AND TECHNOLOGY



I like to work in agile teams following IT development best practices like clean code, code reviews, testable code etc. allowing for productivity and ensuring a positive impact.

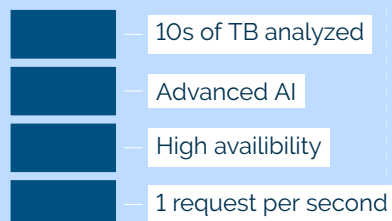
The aspects I enjoy most in programming are refactoring and removing old unused code.

FUNGUS APP



Google Play

I founded a computer vision start-up. We are developing an application that classifies mushroom species based on the image and other metadata. There are currently 3 team members.



EXPERIENCE AND EDUCATION

2023

Experience Projects Education

September 2023 Highschool teacher
Gymnázium Křenová

December 2021 Fullstack developer
Artin

June 2020 Frontend developer
Avast

June 2020 Computer vision engineer
SANEZOO

March 2019 Founder and Developer
Fungus app

February 2019 Software engineer
Vacuumlabs

August 2017 AI programmer
IXPERTA

May 2017 Ing. Graduation
BUT

December 2016 Developer
Mushroom Identification app

June 2015 Hardware programmer
Codasip

May 2015 Bachelors's degree
BUT

June 2014 PHP programmer
Bestone Service

2014

9/2023 – present	Teaching of computer science I teach part-time and am trying to figure out what exactly the role of a high school teacher is and how I could become a good teacher.	Gymnázium Křenová
12/2021 – present	aReception.com We are a start-up developing a virtual receptionist - a talking avatar capable of handling all the common requests of visitors at the receptions of companies and other institutions. I am responsible for the entire technological aspect of the project, where I ensure the development, dev-ops, monitoring, and administration of the deployed virtual receptionists. Python / Vue / Nuxt.js / Ansible / Kubernetes	Artin
2/2022 – 3/2022	Teaching of computer science I taught for two months as a substitute for a teacher on medical leave.	Gymnázium Slovanské náměstí
3/2021 – 9/2021	Avast One I worked on the Frontend of the new all-in-one product of the Avast company that combines an antivirus with VPN, speed-up, and security tools. Javascript / Svelte	Avast
6/2020 – 3/2021	Sanezoo Unity I worked on creating complex AI driven system for visual QA in the industry. I was responsible creation and optimisation of the core component, that integrated our algorithms into a product deployable to the customers. C++ / Tensorflow	Sanezoo
2/2019 – present	Fungus App I created a mobile app that identifies mushrooms based on images. The classification pipeline combines multiple machine learning approaches. It has more than 500,000 downloads now. Python / React native / Docker / Tensorflow	My project
2/2019 – 3/2020	StockTwits.com As a part of a four-member frontend team I worked on the development, maintenance and refactoring of a social network dedicated to the Stock Exchange. Apart from developing new features we significantly improved the code quality. React	Vacuumlabs, Stocktwits.com
5/2018 – 2/2019	Industrial Vision startup As a backend team, we created a new system of visual quality control in the industry. The system had to be highly reliable as the whole production line was stopped when an error occurred. I was responsible for the computer vision part; doing pre-sales experiments, as well as integrating and tweaking existing image processing algorithms. Docker Swarm / Ansible / Microservices architecture / Tensorflow / Python	Ixperta
12/2017 – 4/2018	Škoda Auto testing I led a team of three engineers. We were responsible for creating a testing framework for a team of 20 manual testers to be able to create and manage test cases in a web UI. Real cars, car parts, simulators and the company web application were connected to our system. We were fully responsible for the design of the product, selected technologies and dev-ops. I was responsible for the communication with the customer and addressing their feedback to develop an application to match their needs. I also trained the manual testers and saved them many hours of the most monotonous work every day allowing them to concentrate on more sophisticated test cases. Python / Selenium / PostgreSQL / Docker	Ixperta, Škoda Auto
6/2017 – 12/2017	Screenix We were a team of four engineers. We created a tool for checking sanctioned people and organizations to comply with Czech international business law. There are public lists of terrorists, authored by the UN, governments and ONGs, that are organized in many different ways, each providing quite limited information. We had to tackle the complicated nature of the problem as many sanctioned subjects used different pseudonyms; and information was uncertain, incomplete, and possibly faked by the checked business partners. Python / Docker	Ixperta, Agrofert