

MATOUŠ MELECKÝ

Postgraduate Computer Vision Student

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Prague, CZECH REPUBLIC

melecmat.github.io



EDUCATION

High School

Gymnázium Josefa Kainara

2012 – 2018

Hlučín, CZECH REPUBLIC

Graduated with full marks, subjects: English, Mathematics, Czech.
Completed facultative exam from Advanced Mathematics (Matematika+).

Undergraduate

Faculty of Electrical Engineering, Czech Technical University in Prague

2018 – 2021

Prague, CZECH REPUBLIC

Open Informatics programme, specialization in Artificial Intelligence and Computer Science.
Graduated with honours.

Master's

Faculty of Electrical Engineering, Czech Technical University in Prague

2021 – ongoing

Prague, CZECH REPUBLIC

Computer Vision and Image Processing

prg.ai minor

Czech Technical University in Prague, Charles University

2019 – 2021

Prague, CZECH REPUBLIC

Selective minor bachelor programme encompassing artificial intelligence courses from the best universities in the Czech Republic.

Erasmus

Technical University in Munich

2021 – 2022

Munich, GERMANY

PROJECTS

Student Researcher

Multi-Robot Systems, FEE CTU, Department of Cybernetics

2019 – Ongoing

Prague, CZECH REPUBLIC

Since the first year of bachelor studies I have participated in research with the MRS group. on the **historical monument documentation project** undertaken in cooperation with the Czech National Heritage Institute.

I work on creation of 3D models from data collected by drones and on **3D model viewer and annotation framework**.

EXPERIENCE

Rotary Youth Exchange

2016 – 2017

Dubbo, AUSTRALIA

A selective exchange programme funded by Rotary clubs – only one student from the Czech Republic is selected for Australia.

I studied at **St Johns College** in Dubbo, lived with local families and participated in **fundraising events** for rural communities in Australia.

TED translator

2015 – 2017

Volunteer translator of TED conference videos from English to Czech.

Summer School of Algorithms

FEE CTU

2019

Intensive summer course on advanced algorithms and data structures.

TECHNICAL SKILLS

Programming languages

C/C++

Python

Java

Haskell

Scheme

Bash

Matlab

SQL

HTML

CSS

JavaScript

PHP

Libraries and frameworks

OpenCV

ROS

Numpy

SciPy

Pandas

Tensorflow

scikit-learn

Node.js

Electron

Three.js

A-Frame

Handlebars

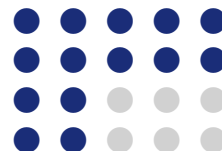
LANGUAGES

Czech

English

German

Spanish



Bachelor Thesis

Multi-Robot Systems, FEE CTU, Department of Cybernetics

 Ongoing

Topic: designing a real-time version of Structure From Motion algorithm for creation of dense map of environment built on top of openVINS visual-inertial estimator, which will be employed on a UAV equipped with monocular camera and IMU.