Michal Seibert

Data science, AI,
Applied math

CONTACT & INFO

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15. 1. 1998

EDUCATION

Jiřího z Poděbrad High School
2009 - 2017

FIT CTU
Knowledge engineering, Bc.
2017 - 2022

FIT CTU
Knowledge engineering, Ing.
2022 - 2024

SKILLS & LANGUAGES

- Czech - native
- English - advanced
- German - beginner
- C, C++ - advanced
- Python - advaced
- Java - beginner
- SQL, NOSQL
- Linux, Bash

ABOUT ME

I am interested in machine learning, deep learning, artificial intelligence, data mining. I would like to focus on such topics within my career in the future. With AI and machine learning naturally comes data analysis, optimalization, statistics, time series analysis and so on.
Nowadays, I am studying other fields of applied math, mainly bayesian statistics and modeling. Recently, my center of attention has become a field called multi target tracking (MTT).
In MTT, I have gained theoretical and practical experience with implementation of filters, e.g., Kalman, PDA, IPDA, JPDA, PHD, PMBM.
MTT is also the main subject of my master's thesis, where the principles of multi target tracking together with advanced object detection AI techniques are used.
I use C++ primarly for algorithmic, computational and optimalization problems and for parallel and distributed computing.

WORK EXPERIENCE

Consultant, programmer - part time job — 2022 - recent

Remmark, a. s.

In Remmark, I work as a technical consultant and programmer mostly on the project OpenNest. OpenNest is a data platform for connecting many kinds of open data. The platform also serves as an analytical tool for the datasets. On this project, I helped to create a system for automatic creation of relations between datasets and their analysis. In an advanced stage of the project, I also participated on choosing appropriate technologies and methods, many of which I programmed myself.
Additionally, I developed some other intern applications for the company, usually of a geographical map nature.