



# KRISTÓF VÖRÖS

Curriculum Vitaè

✉ : [voros.kristof@mensa.hu](mailto:voros.kristof@mensa.hu)  
☎ : +36 30 878 2808  
📄 : 1145 Budapest  
🕒 : 18.09.1997.

## Chronology of Job experience and Education

Now

Now

### Robert Bosch GmbH. (Software Engineer)

- **Agile** development, full-time job
- Features are developed in order to control the light and not to blind other drivers
- Few labeling tasks: to label the objects correctly in Trackspector
- Some **bugfixing in embedded C++** codes related to signal of pedals, control warning and the light
- The most of task is about to implement a **Python tool** for other colleagues to analys videosequences, to search signals of big datastructure of it, or to generate avis where false positive or false negative detections are

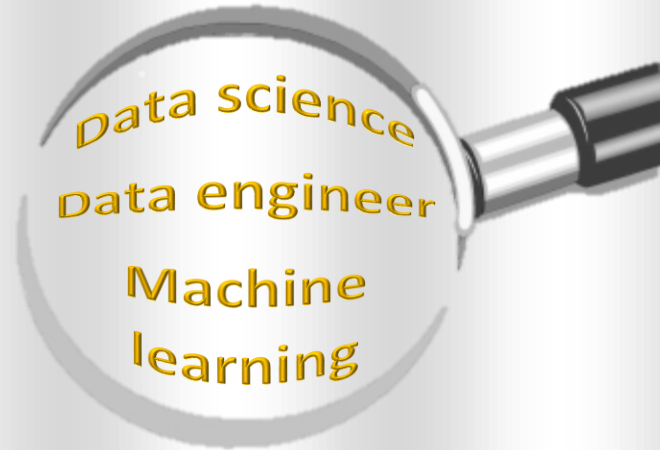
2023

- **International team** with German Scrum master and Product owner to whom I report in the daily standups
- Daily usage of **Git** and **Jenkins**

An achievement I am proud of: I made possible to choose a module you want in command line of plenty of with functional members with same names and similar functionalities, which does not sounds hard, but was not solved until my arrive.

I am also proud of my dynamic signal searcher program within you can give complex conditions for variables of signals in order to search special cases in videosequences.

04.2022.



Projects: <https://sites.google.com/view/voros-kristof/projects>

Fractal images, sounds

Stegos based on algo-media

Sound compression

LaTeX-like formula displayer

Word analogy maker

2022



09.2021. [ Laboratory work: BRAIN-COMPUTER INTERFACES (BCIs) ] — 03.2022.

### BME – Biomedical Engineering (MSc.)

- Topic of laboratory work (pre-diploma work): brain-computer interfaces (BCIs), processing, processing and analyzing of extracted data.
- Some knowledges is worth to name:
- Engineering-like: PID control, measurement techniques (electronics), biocompatible materials,
- Biomedical-like: medical physiology, anatomy.

Interrupted because of job opportunity at Bosch GmbH.

2021

02.2020.

**Medical Biology Institute (IT Analyst)**

- Fixed-term project for 3 months (half-time job during the university)
- Genetic sequence of Bovine herpesvirus is given in .FASTA and .FASTQ formats
- Task is to **assemble the reads** into one genome in order to be analysed by medician colleagues and to publish the results in their paper
- Understood of biomedical background of the task
- Participate in meetings with the Zsolt **Boldogkői's team** in order to discuss the problem and to report the results
- Got familiar with **bioinformatic softwares** like DNASTAR and some others from Github
- Short analysis including the comparison of the current genome and the found genome from the **GenBank** by BLAST
- Found logic explanations why we got differences during the comparison which was being **validated** by the professor Boldogkői
- Finished the job **successfully**
- Got motivation to apply to Biomedical Engineer of BME

2020

11.2019.

**AENSys Ltd. (Software dev. trainee)**

- 8 months (dual training, half-time during the university and full-time job in the summer time)
- Agile development
- My first project was AmSmart was about smart houses
- To develop in the tasks of this project made me used **Angular**
- My second project was the **EESZT** was about the governmental cloud of the Hungarian healthcare
- The code of the system was written ensemble/objectsript
- My task was to refactor, to make factories
- Got familiar with **XML**
- Also got familiar with **UML** in order to make activity diagrams
- Skipped because of the opportunity of being IT analyst at the Medical Biology Institute

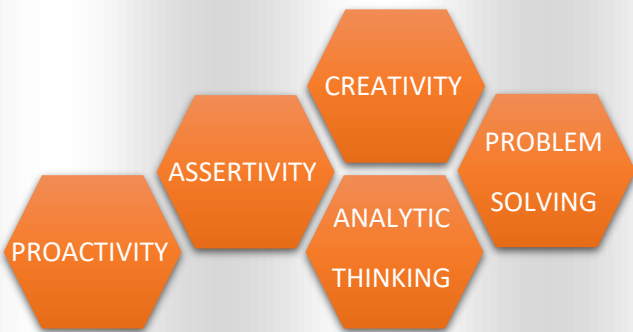
11.2019.

02.2019.

2019

2018

2017



06.2021.

[ Diploma thesis: FUNCTIONAL COMPLETENESS OF MULTI-VALUED LOGIC AND ITS APPLICATIONS ]

09.2018.

06.2017  
09.2012

**SZTE – Computer Science (BSc.)**

- Title of diploma thesis: *Functional completeness of Multi-valued logics and its applications*
- Some knowledge is worth to name:
- Programming languages: C, **C++**, **Python**, **R**, Matlab, Java, **HTML** (markup language), **javascript**, **SQL**, **Pari/gp**
- Mathematical knowleges: complexity theory, game theory, linear programming, calculus, linear algebra, stochastics, statistics
- Cutting edge skills: **deep learning**, data science and machine learning methods.

Language certificate:  
English B2 (complex)

Coursera certifications on credly related to Data Science and Machine Learning:  
<https://www.credly.com/users/kristof-voros/badges>

**Kecskeméti Bolyai János Secondary Grammar School**

- IT and mathematics faculty
- Advanced computer science baccalaureate
- Advanced mathematics baccalaureate
- **Dennis Gabor Prize (NOVOFER)** awarded to me **three times** (2013, 2014 and 2015) because of my futuristic, scientific essays, furthermore invited to Hungarian **Parliament** and **MTA** (Hungarian Academy)