



# Kristóf Furuglyás

## Curriculum Vitae

### Personal Information

Name: Furuglyás, Kristóf  
Nationality: Hungarian  
Date and place of birth: February 1997, Dunaújváros, Hungary  
Address: *Private*  
Cell: *Private*  
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### Education

2007 - 2015 **Excellent**, Széchenyi István Secondary Grammar School, Graduated.  
2015 - 2018 **Outstanding**, Eötvös Loránd University, Budapest, Faculty Of Sciences: Physics BSc.  
IT Physicist Specialization, graduated  
2018 - **In progress**, Eötvös Loránd University, Budapest, Faculty Of Sciences: Physicist MSc.  
Scientific Data Analytics and Modeling Specialization

### Bachelor's Thesis

Title: *Research on noisy brainwaves with eye-tracking methods*  
Language: Hungarian  
Description: The main idea behind the research was that modern commercial electroencephalographs had to draw line between widespread usability and precision. During the time I measured the electromyographic signals on the face (mainly around the forehead and eyes) too. Later, with signal processing techniques I was able to distinguish different facial and eye movements.

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## Research Experience

2018 - **Intern**, *Department of Computational Sciences, Wigner Research Centre for Physics of the Hungarian Academy of Sciences*, Budapest.

Just after the final exam I began to work at the Hungarian Academy of Sciences (HAS) where I took part in the Human Brain Project. The main aim of this project for our group was to model small networks in different brain areas. A poster about this work was presented at the Meeting of the Hungarian Neuroscience Society in 2019.

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## Language Skills

English	C1, advanced level	Year: 2015
Spanish	conversational level	during secondary grammar school

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## Computational Skills

Programming Languages	Python (advanced), C/C++ (advanced), Java (beginner), Octave (beginner)
Other Skills	Bash, VIM, Github, Jupyter notebook, Eclipse, Microsoft Visual Studio, Code Blocks, PyCharm, MySQL, CMake

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## Interests

Football	I have been playing football since I was 8, but after I got applied to the university I continued my hobby only on an amateur level.
Teaching	During weekends I teach children (aged 10-17) mathematics, physics, informatics and English language.
Social activities	Since 2018 I have been the secretary of the Hungarian Association of Physics Students. This organization provides many scientific programmes for students all across Hungary including meetups, tours to CERN, student-exchange programmes, etc.