



Kristóf Furuglyás

Curriculum Vitae

Personal Information

Name: Furuglyás, Kristóf
Nationality: Hungarian
Date and place of birth: February 1997, Dunaújváros, Hungary
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Email: 78furu@gmail.com (primary), furuglyas.kristof@wigner.mta.hu (work)

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.

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.

Language Skills

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

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

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.