Máté Fellner

Personal information:

Location: Budapest, Hungary
E-mail: fellner96@gmail.com
Date of birth: 05/02/1996

Education:

2014 September - 2017 June
Eötvös Loránd University, Mathematics BSc (Mathematician)
2017 September - 2019 June
Eötvös Loránd University, Applied Mathematician Msc
specialization: operation research

Language:

native: Hungarian
other: English, B2 (complex)

Work experience:

2019 July -
AI Developer, Lain Consulting Kft, worked in the following projects:
- Medical image processing, applying data science methods and deep neural networks to develop tools for computer aided cancer detection (2019-2022)
- Medical data processing for the National Korányi Institute of Pulmonology (2020)
- Cancer cell modelling for the National Korányi Institue of Pulmonology (2021)
- Classification and segmentation of remote sensing (satellite) images (2022)

2020 February -
Lecturer, Eötvös Loránd University
- Mathematics (for Cognitive Neuroscience Masters)
- Intelligent Systems (for Cognitive Neuroscience Masters)
- Python for data science (for Data Scientist Specialization)

2018 January - 2021
- Student researcher, Eötvös Loránd University, PIT Bioinformatics Group
- Data science on networks

2018 January – 2018 October
Working student, Nokia Solutions and Networks, Telco Cloud Simulator, Java programming

I.T. skills:

Python, Keras, Tensorflow, Pytorch, Data science toolbox
Java, (Processing, AndroidStudio)
Javascript, React

Awards:

2018: Eötvös Loránd University, Faculty of Science, Scientific Conference of Students, First Prize (Supervisor: Vince Grolmusz)
2017: Eötvös Loránd University, Faculty of Science, Scientific Conference of Students, First Prize (Supervisor: Vince Grolmusz)

Scientific Papers:

M. Fellner, B. Varga, V. Grolmusz, The frequent subgraphs of the connectome of the human brain (2017, submitted, arXiv:1711.11314)
M. Fellner, B. Varga, V. Grolmusz, The frequent network neighborhood mapping of the human hippocampus shows much more frequent neighbor sets in males than in females (2018, submitted, arXiv: 1811.07423)
M. Fellner, B. Varga, V.Grolmusz, The Frequent Complete Subgraphs in the Human Connectome (2019, submitted, arXib:1903:05979)
M. Fellner, B. Varga, V.Grolmusz, Good Neighbors, Bad Neighbors: The Frequent Network Neighborhood Mapping of the Hippocampus Enlightens Several Structural Factors of the Human Intelligence on a 414-Subject Cohort (2019, submitted, arXib:1907.09586)

Scientific reports:

Modelling drilling cuttings formation (Ana Branca, Mate Fellner, Katarina Dzepina, Georg Bökman, Tobias Krenz, Supervisor: Tatiana Pogarskaia, University of Novi Sad, European Consortium for Mathematics in Industry, 2018)