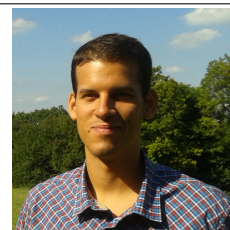


FERENC BÉRES

PERSONAL INFORMATION

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EDUCATION

Eötvös Loránd University September 2016 - Present
Ph.D. student in Computer Science
Advisor: András Benczúr

Eötvös Loránd University September 2013 - June 2015
M.Sc. in Applied Mathematics
Advisor: András Benczúr
Thesis: Centrality on dynamic graphs

Eötvös Loránd University September 2010 - June 2013
B.Sc. in Mathematics
Advisor: István Sigray
Thesis: Solving a polynomial differential equation with iteration (Hungarian)

Eötvös József Gimnázium, Budapest September 2006 - June 2010
Grammar school

WORKING EXPERIENCE

Institute for Computer Science and Control (ELKH SZTAKI) April 2014 - Present
Research Associate Budapest

Institute Youth Award 2022

Team member on the ACM International Web Search and Data Mining Challenge 2019 [10] Prize: 10

Team member on the ACM International RecSys Challenge 2018 [11] Prize: 9

Organizer of the ECML/PKDD International Data mining Challenge 2016

Research projects on social and cryptocurrency networks [1, 4, 7, 8, 12]

Guided several students during their BSc/Msc diploma project or summer internship

PR-AUDIT Ltd. 2013
Trainee in IT Security Budapest

PRESENTATIONS

10th International Conference on Complex Networks and their Applications 2021 [9] Online

IEEE International Conference on Decentralized Applications and Infrastructures 2021 [8] Online

ACM International Conference on Distributed and Event-based Systems 2021 [6]

Online

Cryptoeconomic Systems (CES) 2020 [7]

MIT Campus, Cambridge MA, USA

7th International Conference on Complex Networks and Their Applications 2018 [5] Cambridge, UK

14th MLP workshop held in conjunction with 24th ACM SIGKDD, London 2018 [2] London, UK

6th International Conference on Complex Networks and Their Applications 2017 [3] Lyon, France

SKILLS

Spoken languages: Hungarian (mother tongue), English (fluent), French (basic)

Language exams: English B2, French B1

Programming languages: Python, Java, C++, Bash

Softwares: Jupyter, Scikit-learn, Scipy, Git, LaTeX

Operating systems: Linux, Windows

RESEARCH INTERESTS

Data mining, Machine learning, Network science

Temporal networks, Graph representation learning

PUBLICATIONS

- [1] Ferenc Béres, Róbert Pálovics, Anna Oláh, and András A Benczúr. Temporal walk based centrality metric for graph streams. *Applied Network Science*, 3(32):26, 2018.
- [2] Ferenc Béres, Róbert Pálovics, and András A. Benczúr. Temporal walk based centrality metric for graph streams. In *14th International Workshop on Mining and Learning with Graphs, held in conjunction with KDD'18*, 2018.
- [3] Ferenc Béres and András A. Benczúr. Online centrality in temporally evolving networks. In *Book of Abstracts of the 6th International Conference on Complex Networks and Their Applications*, pages 184–186, 2017.
- [4] Ferenc Béres, Domokos M. Kelen, Róbert Pálovics, and András A Benczúr. Node embeddings in dynamic graphs. *Applied Network Science*, 4(64):25, 2019.
- [5] Ferenc Béres, Róbert Pálovics, Domokos M. Kelen, Dávid Szabó, and András A. Benczúr. Node embeddings in dynamic graphs. In *Book of Abstracts of the 7th International Conference on Complex Networks and Their Applications*, pages 178–180, 2018.
- [6] András Benczúr, Ferenc Béres, Domokos Kelen, and Róbert Pálovics. Tutorial on graph stream analytics. DEBS '21, page 168–171, New York, NY, USA, 2021. Association for Computing Machinery.
- [7] Ferenc Béres, István András Seres, and András A Benczúr. A cryptoeconomic traffic analysis of bitcoin's lightning network. *Cryptoeconomic Systems*, 1(1), 2021.

- [8] Ferenc Béres, István András Seres, András A Benczúr, and Mikerah Quintyne-Collins. Blockchain is watching you: Profiling and deanonymizing ethereum users. In *2021 IEEE International Conference on Decentralized Applications and Infrastructures (DAPPS)*, pages 69–78, 2021.
- [9] Ferenc Béres, Rita Csoma, Tamás Vilmos Michaletzky, and András A. Benczúr. Vaccine skepticism detection by network embedding. In *Book of Abstracts of the 10th International Conference on Complex Networks and Their Applications*, pages 241–243, 2021.
- [10] Ferenc Béres, Domokos M Kelen, and András A Benczúr. Sequential skip prediction using deep learning and ensembles. 2019.
- [11] Domokos M Kelen, Dániel Berecz, Ferenc Béres, and András A Benczúr. Efficient k-nn for playlist continuation. In *Proceedings of the ACM Recommender Systems Challenge 2018*, page 6. ACM, 2018.
- [12] Benedek Rozemberczki, Paul Scherer, Yixuan He, George Panagopoulos, Alexander Riedel, Maria Astefanoaei, Oliver Kiss, Ferenc Béres, Guzmán López, Nicolas Collignon, and Rik Sarkar. Pytorch geometric temporal: Spatiotemporal signal processing with neural machine learning models. *CIKM '21*, page 4564–4573, New York, NY, USA, 2021. Association for Computing Machinery.