

## Milan Janosov - CV

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### EDUCATION

- 2016 – Present Network Science PhD  
Central European University, *Budapest*, English-language university accredited in the U.S.
- 2013 – 2016 Biophysics MSc, Honours degree, GPA 4.92/5.0  
Eötvös Loránd University, *Budapest*
- 2010 – 2013 Physics BSc, Honours degree, GPA 4.75/5.0  
Eötvös Loránd University, *Budapest* (ELTE)

### WORK EXPERIENCE

- 03 – 05 2017 External data scientist – Maven7, *Boston – Budapest*  
Social networks and media, data mining, key opinion leaders, geospatial data, consulting
- 03/2015 – 01/2016 Quantitative developer intern – Morgan Stanley, *Budapest*  
Development of risk calculation environment and book pricing engine

### COMPUTER SKILLS

Data mining, Python, Modeling, Scala, C, Matlab, Amazon Web Service, Scraping, APIs, Social media

### RECENT PROJECTS

- PhD Thesis* Quantifying and Modeling Artistic and Scientific Career Success  
Large-scale data collecting, statistical analysis, time series analysis
- Who dies next in Game of Thrones? (07/2017 – 09/2017)*  
Viral article on a machine learning based prediction, social network analysis and visualization  
Articles on Times Higher Education, Futurism, Gizmodo, GQ, International Business Times
- MSc Thesis* Realistic group chasing strategies: Bio-inspired agent-based model of a complex system with robotic applications. Published in the New Journal of Physics and press releases

### PUBLICATIONS

- M Janosov**, C Virágh, G Vásárhelyi, T Vicsek, “Group chasing tactics: how to catch a faster prey”, *New Journal of Physics* 19 (5), 053003, 2017, *Impact Factor: 3.8*
- E Agocs, P Kozma, J Nador, A Hamori, **M Janosov**, B Kalas, S Kurunczi, “Grating coupled optical waveguide interferometry combined with in situ spectroscopic ellipsometry to monitor surface processes in aqueous solutions”, *Applied Surface Science* 421, 289-294, 2017, *Impact Factor: 3.4*
- P Kozma, **M Janosov**, P Petrik, “Optical biosensing”, *Hungarian Science*, 2015 (10), 1171-1179,
- Péter Petrik, T Gumprecht, A Nutsch, G Roeder, M Lemberger, G Juhasz, C Major, P Kozma, **M Janosov**, B Fodor, E Agocs, M Fried, “Comparative measurements on atomic layer deposited Al<sub>2</sub>O<sub>3</sub> thin films using ex situ table top and mapping ellipsometry, as well as X-ray and VUV reflectometry”, *Thin Solid Films* 541, 131-135, 2013 *Impact Factor: 1.9*

### EXPERIENCES ABROAD

- |   |                  |               |                     |
|---|------------------|---------------|---------------------|
| Workshop at the Complexity Science Hub                    | Talk             | October, 2017 | Vienna              |
| <i>Eur. Cooperation for Stat. of Network Data Science</i> | Poster           | October, 2017 | Palma, Spain        |
| <i>School on Methods for Comp. Social Science</i>         | Lighting talk    | July, 2017    | Sardinia, Italy     |
| <i>NetSci2017 Flagship Conference</i>                     | Lighting talk    | June, 2017    | Indianapolis, US    |
| <i>Statistical Network Science Workshop</i>               | Poster           | March, 2017   | Eindhoven, NL       |
| <i>International Conference on Complex Systems</i>        | Talk             | June 2016     | Aveiro, Portugal    |
| <i>Principles of Multi-Robot Systems Workshop Rome</i>    | Poster           | July 2015     | Rome, Italy         |
| <i>ETH Zürich - Lab of Biosensors and Bioelectronics</i>  | Research student | February 2013 | Zürich, Switzerland |

### AWARDS

- Excellent Student of the Faculty Award* at ELTE (2013, '15, '16) – Annually awarded to the top 1%
- Fellowship granted by the Republic* (2011, '13, '14) – National scholarship to the top 0.8%

### LANGUAGES

Hungarian – native      English – fluent      German – fluent      Serbian – beginner