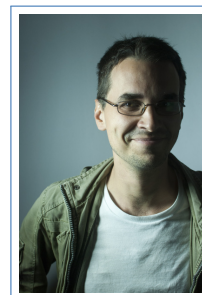


Milan Jelisavcic

Curriculum Vitae

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After three years of experience in the industry as an Embedded Engineer, I shifted to an academic career in Data Science and Robotics. The skills I gained after years in academia as an Evolutionary Robotics Researcher and the ways of methodological thinking are invaluable, however, I do not see myself further as a part of the academic community. I would like to keep challenging myself further as a data scientist by working in a dynamic and productive environment where I could keep increasing my knowledge.

Education

2015 – Feb 2019 **Researcher PhD Candidate in Evolutionary Robotics**, *Vrije Universiteit Amsterdam, Faculty of Science*, Amsterdam, The Netherlands.

Education in evolutionary computing, reinforcement learning and robot assembling. Languages commonly used C++, R and Python.

Thesis *Alive and Kickin'*

The thesis presents the three-year work on exploring methods for locomotion learning on arbitrary morphologies in modular robots. The core research is focused on the different aspects of Lamarckian evolution applied in the evolving robotic ecosystem.

2011 – 2013 **Master's degree in Software Engineering**, *University of Belgrade, Faculty of Electrotechnical Engineering*, Belgrade, Serbia.

Education in software design and concurrent programming. Languages commonly used x86 Assembly, C#, and Java

Thesis *Design of a Real-Time 3D Application for Embedded Systems on Android OS*

The thesis is a proof-of-concept for a TV-centric gaming concept. The idea was to connect the Android-based set-top box and smartphones and transform them into an *ad-hock* gaming console.

2005 – 2011 **Bachelor's degree in Computer Engineering**, *University of Kragujevac, Faculty of Technical Sciences*, Čačak, Serbia.

Education in software and hardware engineering. Languages commonly used x86 Assembly, C, C++, Java, and VLSI

Professional Experience

April 2019 – current **Data Scientist**, STEDIN NETBEHEER, Rotterdam, The Netherlands.

Work on the development of smart-grid solutions for Stedin network. Languages commonly used R and Python.

- September 2015 – **Promovendus**, VRIJE UNIVERSITEIT AMSTERDAM, Amsterdam, The Netherlands.
 February 2019 – Work on the Triangle of Life concept, a robotic (eco)system that could learn, adapt, and evolve in a real-time and a real-space. Following a general system plan, we implement a robotic habitat that contains all system components in the simplest possible form. Languages commonly used C++, R, and Python.
- August 2013 – **Embedded Software Engineer**, RT-RK D.O.O., Novi Sad, Serbia.
 September 2015 – Work on porting and adapting *Firefox OS* and *Tizen OS* to MIPS architecture. Work on designing IDE for Lua applications. Languages commonly used C, Python, MIPS Assembly
 Lua IDE Design of Eclipse-based IDE for custom-made set-top box Lua applications
- December 2012 – **Intern**, RT-RK D.O.O., Novi Sad, Serbia.
 August 2013 – Work on a real-time 3D game for inter-device communication and synchronisation. Languages commonly used Java and C.

Technical Competence

- Programming Java, C, C++, Python, R, x86 Assembly, MIPS Assembly, UML/Design Patterns
 IDE JetBrains, Eclipse, Vim
 Technology Keras, custom-made EA library, various ML and EA techniques
 OSs Unix-like, Mac, Windows (only if really necessary)

Publications

- 2018: Analysing the Relative Importance of Robot Brains and Bodies
- 2017: Analysis of Lamarckian Evolution in Morphologically Evolving Robots
- 2017: Real-World Evolution of Robot Morphologies: A Proof of Concept
- 2016: Improving RL Power for On-Line Evolution of Gaits in Modular Robots
- More publications on <https://orcid.org/0000-0001-8148-0939>

Communication Skills

- 2018 TEDx-like Oral Presentation at the VU Amsterdam L&L with Tanmay Bakshi

Recognitions / Accreditations

- June 2018 Winner of 2018 Gemeente Amsterdam image recognition hackathon. The goal was to filter and detect geographical features based on street view images of Amsterdam.
- July 2018 International Summer School on Deep Learning in Gdansk, Poland

Languages

- Native **Serbian**
- Advanced **English** *A professional knowledge of English*
- Intermediate **Dutch** *Een beetje meer dan een eenvoudig gesprek; nog steeds aan het leren*