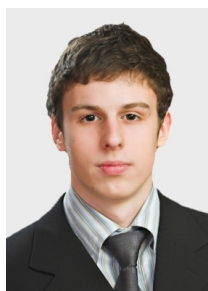


# Curriculum Vitae

## Personal Data

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Name: Nemanja Rakićević  
Address: Imperial College London  
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Date of birth: 12/05/1988  
Place of birth: Novi Sad, Serbia  
Mobile phone: +44 77 839 669 20  
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E-Mail: n.rakicevic@imperial.ac.uk  
Personal homepage: <http://nemanja-rakicevic.github.io/>

## Education

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- 2016 – now**      **PhD student at Robot Intelligence Lab, Imperial College London, UK**  
Reinforcement learning methods for robotics
- 2011 – 2013**      **European Master On Advanced Robotics (EMARO), double degree program.**  
Thesis development: Keio University, Japan  
2<sup>nd</sup> year: Ecole Centrale de Nantes, grade average A  
1<sup>st</sup> year: University of Genova, grade average A
- 2007 – 2011**      **Mechatronics, Robotics and Automatization, Faculty of Technical Sciences, University of Novi Sad.**  
240 ECTS, grade average 10 [100/100]
- 2003 – 2007**      **"Jovan Jovanović Zmaj" Grammar school, Novi Sad.**  
Mathematical-Scientific programme

## Academic activities

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- 04/2015 – 04/2016**      **Research Assistant at iBug group, Imperial College London, UK**  
Sequential probabilistic models for emotion recognition based on facial expressions
- 2015**      **Teaching Assistant**, Machine Learning course C395 (prof Maja Pantic)  
**2016**      **Teaching Assistant**, Computing 2 course DE2-COM2 (prof Petar Kormushev)
- 12/2013 – 07/2014**      **Research Engineer at RIS group, LAAS-CNRS, Toulouse, France.**  
Working on rover locomotion diagnostics, using sensor feeds
- 07/2013**      Testing sessions at the Japanese Aerospace Exploration Agency's (JAXA) Institute of Space and Astronautical Science on the "Cuatro" rover test bed
- 2011**      Team leader at the national robotics competition (6<sup>th</sup> place)
- 09/2010 – 10/2010**      **Internship at "Mihajlo Pupin" Institute, Belgrade, Serbia**  
Robotic gripper and small rover movement programming  
[Supervisor: Professor Aleksandar Rodić]

## Publications

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N. Rakicevic, O. Rudovic, S. Petridis, M. Pantic. "Multi-Modal Neural Conditional Ordinal Random Fields for Agreement Level Estimation" International Conference on Pattern Recognition (ICPR'16) (oral). Cancun, Mexico, December 2016.

N. Rakicevic, O. Rudovic, S. Petridis, M. Pantic. "*Neural Conditional Ordinal Random Fields for Agreement Level Estimation*" 1st International Workshop on Automatic Sentiment Analysis in the Wild (WASA'15). Xi'an, China, September 2015.

N. Rakicevic, M. Takahashi, "Guidance, Navigation and Control for Planetary Rover", (Internal report) 2013.

## Research interests

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- Reinforcement learning, deep learning, probabilistic graphical models, temporal models
- Mobile robot navigation, intelligent robotics

## Courses and projects

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<b>MSc:</b>	
<b>M1</b>	Control of Multivariable Systems, Real-Time Systems, Neural Networks, Computer Vision, Mechanical Design Methods, Optimization Techniques, Embedded Systems, Artificial Intelligence (Machine Learning), Mobile Robotics; <b>Group project</b> - building an underwater robot to compete at the NURC SAUC-E 2012 (mechanical, control and electronics design) [Supervisor: Professor Giuseppe Casalino]
<b>M2</b>	Vision Based Control, Advanced Modeling of Robots, Identification and Control of Robots, Humanoid and Walking Robots, Capture and Simulation of Human Motion;
<b>Keio</b>	Aerospace Propulsion, Mixed Reality, Space Systems Engineering; <b>Thesis Topic</b> - "Guidance, Navigation and Control for Planetary Rover" [Supervisors: Professors Masaki Takahashi, Philippe Martinet and Giuseppe Casalino]
<b>BSc:</b>	
	Electronics (analog, digital, impulse), Industrial Robotics, PLC Programming, Mechanics, Automated Control Systems, Microprocessor Electronics, Optimization Methods, Machine Mechanics (mechanisms), Components of Technological Systems (pneumatics and hydraulics); <b>Group project</b> - building a mobile robot to compete at the EUROBOT 2011 competition (group leader; electronics design, movement programming) <b>Thesis topic</b> - "Realization of the Robot Sensor System and Motion Control for the EUROBOT 2011 Competition, within the Team MAXIMILIAN" [Supervisor: Professor Branislav Borovac]

## Awards and recognitions

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<b>2016 – 2020</b>	Imperial College President's PhD Scholarship
<b>2011 – 2013</b>	Erasmus Mundus scholarship laureate for the EMARO MSc programme
<b>2010/2011</b>	Declared best student in generation of the University of Novi Sad
<b>2010 – 2013</b>	"Dositeja" scholarship laureate, Ministry of Youth and Sport, Republic of Serbia
<b>2009/2010</b>	University of Novi Sad scholarship laureate
<b>2008 – 2012</b>	Annual award for exceptional students for achieved success in their previous studies

## Language skills

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Serbian	Native speaker
English	Cambridge University, Certificate of Proficiency in English, grade B (2006)
Italian	Advanced
French	Intermediate

## Other

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Computer skills	MATLAB, Python, LaTeX, C, C++, Solid Edge, Pro/ENGINEER, PCB design software
Memberships	Humanitarian Fund "Privrednik" (since 2005) An IEEE student member (since 2009)
Hobbies	Capoeira Club "Capoeira Associação Sérvia" (since 2005), Surfing, Drawing