

Ivana Kajić

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EDUCATION

University of Waterloo , Waterloo, Ontario, Canada PhD student in Computer Science Supervisor: Chris Eliasmith	Sept 2016 – present
Technical University of Berlin , Germany M.Sc., Computational Neuroscience (with distinction) GPA: 1.2 (German grading scale)	Oct 2011 – Apr 2014
University of Zagreb , Croatia B.Sc., Computing (Computer Science)	Oct 2008 – Dec 2011
Exchange year: Karlsruhe Institute of Technology , Germany GPA: 4.06 (Croatian grading scale)	Sept 2010 – Dec 2011

AWARDS, SCHOLARSHIPS & TRAVEL GRANTS

University of Waterloo Provost Doctoral Entrance Award	Jul 2016
University of Waterloo Entrance Scholarship	Jul 2016
Okinawa Institute of Science and Technology Computational Neuroscience Course Travel Grant	Jun 2015
The Google Anita Borg Memorial Scholarship 2014	Jul 2014
Annual prize at the Technical University of Berlin by the German Academic Exchange Service (DAAD) for outstanding achievements	Oct 2013
Technical University of Berlin Scholarship for a research stay at the University of Waterloo	Jan 2013 – Feb 2013
The Germany Scholarship (Deutschlandstipendium) for outstanding achievements	Oct 2012 – Oct 2013
Exchange scholarship from the University of Zagreb for studies and Bachelor's thesis at the Karlsruhe Institute of Technology	Sept 2010 – Jul 2011

RESEARCH & WORK EXPERIENCE

Research Fellow , Plymouth University, United Kingdom Marie Curie Research Fellow, Centre for Robotics and Neural Systems Computational modelling of semantic processes in creative verbal problem solving	Jun 2014 – Aug 2016
Student Research Assistant , Technical university of Berlin, Germany Neural Information Processing Group Computational modelling of the low-level animal visual systems	Jun 2012 – April 2014

PUBLICATIONS

- Kajić, I.**, Gosmann, J., Stewart, T. C., Wennekers, T., and Eliasmith, C. (2016). A Spiking Neuron Model of Word Associations for the Remote Associates Test. *Frontiers in Psychology* (under review)
- Kajić, I.**, Gosmann, J., Stewart, T. C., Wennekers, T., and Eliasmith, C. (2016). Towards a cognitively realistic representation of word associations. In 38th Annual Conference of the Cognitive Science Society (Austin, TX: Cognitive Science Society), 2183–2188

Kajić, I. and Wennekers, T. (2015). Neural network model of semantic processing in the Remote Associates Test. In Proceedings of the NIPS Workshop on Cognitive Computation: Integrating Neural and Symbolic Approaches co-located with the 29th Annual Conference on Neural Information Processing Systems (NIPS 2015), Montreal, Canada, December 11-12, 2015. 73–81

Kajić, I., Schillaci, G., Bodiroža, S. and Hafner, V. V. (2014). Learning Hand-Eye Coordination for a Humanoid Robot using SOMs. In Proceedings of the 9th ACM/IEEE International Conference on Human-Robot Interaction (HRI 2014), Bielefeld, Germany.

Kajić, I., Schillaci, G., Bodiroža, S. and Hafner, V. V. (2014). A Biologically Inspired Model for Coding Sensorimotor Experience Leading to the Development of Pointing Behaviour in a Humanoid Robot. Workshop: A bridge between Robotics and Neuroscience, International Conference on Human-Robot Interaction (HRI 2014), Bielefeld, Germany.

Putze F., Heger D., Müller M., Chassein Y., **Kajić I.**, Schultz T. (2013), Profiling Arousal in Response to Complex Stimuli using Biosignals, BIOSIGNALS 2013: 347-350, Barcelona, Spain

LEADERSHIP & TEACHING EXPERIENCE

Organizer: Python Workshop for Beginners, University of Waterloo

Three day programming workshop for 30 selected students

- Event organizer and instructor at the workshop
- Acquired funding through Women in Computer Science and Python Software Foundation
- Selected mentors and participants via application process, created lecture materials and projects

Jan 2016

Volunteering: Women in Computer Science

Graduate committee member, University of Waterloo

Oct 2015 – present

Teaching: Software Carpentry instructor

Certified instructor to teach researchers in science, engineering, medicine and related disciplines basic computing skills for research.

Dec 2015 – present

Local organizer: Advanced Scientific Programming in Python, University of Split

Workshop host for the international summer school for 30 participants and 10 lecturers

- Organized the venue, gathered the local hosting team and assigned tasks
- Arranging local sponsorship and coordinating preparations for the school

Sept 2014

Organizer: PyLadies Berlin, Germany

International mentorship group

- Organized the events
- Taught sessions: Object Oriented Programming, Python in Science

Sept 2013 – Jun 2014

TECHNICAL AND OTHER SKILLS

Programming: Python, C/C++, UNIX Shell, Matlab, SQL

Other: version control systems (git, svn), TDD, design patterns and OOP, SQL, \LaTeX , Linux, Windows, OS X

Languages: Croatian (native), English (fluent), German (fluent)

Maths: algebra, calculus, dynamical systems, statistics, signal processing