Ivana Kajić

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EDUCATION

University of Waterloo, Waterloo, Ontario, Canada
PhD student in Computer Science   Sept 2016 – present
Supervisor: Chris Eliasmith

Technical University of Berlin, Germany
M.Sc., Computational Neuroscience (with distinction)   Oct 2011 – Apr 2014
GPA: 1.2 (German grading scale)

University of Zagreb, Croatia   Oct 2008 – Dec 2011
B.Sc., Computing (Computer Science)
Exchange year: **Karlsruhe Institute of Technology**, Germany   Sept 2010 – Dec 2011
GPA: 4.06 (Croatian grading scale)

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   Jun 2014 – Aug 2016
Computational modelling of semantic processes in creative verbal
problem solving

Student Research Assistant, Technical university of Berlin, Germany
Neural Information Processing Group   Jun 2012 – April 2014
Computational modelling of the low-level animal visual systems

PUBLICATIONS

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