S. M. Ali Eslami

Full name: Seyed Mohammadali Eslami   *E-mail:* ali@arkitus.com
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Education

University of Edinburgh, School of Informatics, Edinburgh, UK

Sept 09 - Dec 13   PhD, Machine Learning and Computer Vision
- Supervisor: Prof. Christopher K. I. Williams
- Thesis: *Hierarchical Probabilistic Models for Image Segmentation*

Sept 05 - June 09   BEng, Artificial Intelligence and Software Engineering
- First class honours (80% average)
- Supervisor: Dr. Subramanian Ramamoorthy
- Dissertation: *Evolving Robust Control Strategies for Simulated Animats*
- Awards: Class medal, Jim Howe prize, Citigroup prize

University of Oxford, Department of Engineering Science, Oxford, UK

July 12 - Feb 13   Visiting student, Visual Geometry Group
- Host: Prof. Andrew Zisserman

Ehsan High School, Tehran, Iran

Sept 99 - June 04   Diploma
- Major: Mathematics and Physics (97% average)

Experience

Feb 15 - Present   **Google DeepMind**, London, UK
Research Scientist

Jan 14 - Oct 14   **Microsoft Research**, Cambridge, UK
Postdoctoral Researcher

July 07 - Feb 08   **Microsoft Game Studios (Rare Ltd.)**, Birmingham, UK
Software Engineer

Publications

Dec 15   Theophane Weber, Nicolas Heess, S. M. Ali Eslami, John Schulman, David Wingate and David Silver. *Reinforced Variational Inference.* Neural Information Processing Systems (NIPS) 2015, Workshop on Advances in Approximate Bayesian Inference. Montréal, Canada.

July 15   Wittawat Jitkrittum, Arthur Gretton, Nicolas Heess, S. M. Ali Eslami, Balaji Lakshminarayanan, Dino Sejdinovic and Zoltán Szabó. *Kernel-Based Just-In-Time Learning for Passing Expectation Propagation Messages.* Uncertainty in Artificial Intelligence (UAI). Amsterdam, The Netherlands.

May 15	Varun Jampani*, S. M. Ali Eslami*, Daniel Tarlow, Pushmeet Kohli and John Winn. *Consensus Message Passing for Layered Graphical Models.* Artificial Intelligence and Statistics (AISTATS) 2015. San Diego, California, USA.
Dec 14	S. M. Ali Eslami, Daniel Tarlow, Pushmeet Kohli and John Winn. *Just-In-Time Learning for Fast and Flexible Inference.* Neural Information Processing Systems (NIPS) 2014. Montreal, Quebec, Canada.
June 14	Mark Everingham, S. M. Ali Eslami, Luc Van Gool, Christopher K. I. Williams, John Winn and Andrew Zisserman. *The PASCAL Visual Object Classes Challenge – a Retrospective.* International Journal of Computer Vision (IJCV).
Jan 13	S. M. Ali Eslami, Nicolas Heess, Christopher K. I. Williams and John Winn. *The Shape Boltzmann Machine: a Strong Model of Object Shape.* International Journal of Computer Vision (IJCV). **CVPR special issue**.
Dec 12	S. M. Ali Eslami, and Christopher K. I. Williams. *A Generative Model for Parts-based Object Segmentation.* Neural Information Processing Systems (NIPS) 2012. Lake Tahoe, California, USA.
June 12	S. M. Ali Eslami, Nicolas Heess and John Winn. *The Shape Boltzmann Machine: a Strong Model of Object Shape.* Computer Vision and Pattern Recognition (CVPR) 2012. Providence, Rhode Island, USA. **Oral presentation**.
Sept 11	S. M. Ali Eslami and Christopher K. I. Williams. *Factored Shapes and Appearances for Parts-based Object Understanding.* British Machine Vision Conference (BMVC) 2011. Dundee, UK. **Oral presentation**.

Awards

Sept 09 - Aug 13	Carnegie Trust Scholarship
Sept 09 - Aug 13	Overseas Research Scholarship
Sept 09	School of Informatics scholarship for PhD study
June 09	Jim Howe prize for highest overall mark in AI
June 09	School of Informatics medal for highest overall mark in class
June 07	IBM University Team Challenge – 4th place
Jan 07	IBM UK Mainframe Contest – 2nd place
Sept 05	British Computer Society Undergraduate Bursary
June 04	University of Tehran award for outstanding high school students

Teaching

Summer 14	**Industry Exchange Programme**, UCL, Machine Learning Mentor
Autumn 09 - 12	**Probabilistic Modelling and Reasoning**, Edinburgh, Teaching Assistant
Spring 10	**Machine Learning and Pattern Recognition**, Edinburgh, Tutor
Autumn 09	**Computer Systems and Software Engineering**, Edinburgh, Tutor
Spring 07, 10	**Object Oriented Programming**, Edinburgh, Tutor and Lab Demonstrator
Autumn 06, 09	**Functional Programming**, Edinburgh, Tutor and Lab Demonstrator