

S. M. Ali Eslami

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Education

University of Edinburgh, School of Informatics, Edinburgh, UK

- Sept 09 - June 13 PhD, Machine Learning and Computer Vision
- Supervisor: Prof. Christopher K. I. Williams
 - Proposal: *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

James Gillespie's High School, Edinburgh, UK

- Sept 04 - June 05 A-levels and Advanced Highers
- Subjects: Physics, Mathematics, Computing (all grade A)

Ehsan High School, Tehran, Iran

- Sept 99 - June 04 Diploma
- Major: Mathematics and Physics (97% average)
 - Ranked 4th in exam with more than 700 participants from Iran's top schools

Experience

- Feb 09 - Feb 10 **KeepMeOut and Quetzi** (www.keepmeout.com, www.quetzi.com)
Founder, Developer and Designer
- Lead two teams to develop the concepts and was involved with the marketing and publicity efforts. The websites have attracted users from more than 170 countries and have been featured in a number of national newspapers and magazines.
- July 07 - Feb 08 **Microsoft Game Studios (Rare Ltd.)**, Birmingham, UK
Software Engineer
- Worked within the shared technology division on .NET data compilers used internally by artists and developers. Designed a novel, compression-based high dynamic range (HDR) lighting pipeline for Viva Piñata 2.
- May 05 - June 06 **Studio Masis and Dorsia**, Edinburgh, UK
Web Developer
- Designed and developed multiple standards compliant websites with PHP backends. Managed projects to completion and handled talks with clients.
- May 03 - Sept 03 **Comserve Iran**, Tehran, Iran
Technical Intern
- Maintained a large stock-photo database, serviced client computers and helped with the deployment of LAN networks in medium-sized businesses.

Teaching

Spring 10	Machine Learning and Pattern Recognition , University of Edinburgh Tutor
Autumn 09	Probabilistic Modelling and Reasoning , University of Edinburgh Teaching Assistant
Autumn 09	Computer Systems and Software Engineering , University of Edinburgh Tutor
Spring 07 Spring 10	Object Oriented Programming , University of Edinburgh Tutor and Lab Demonstrator
Autumn 06 Autumn 09	Functional Programming , University of Edinburgh Tutor and Lab Demonstrator
May 04 - Sept 04	HTML and CSS , Edinburgh, UK Private Tutor

Awards

Carnegie Scholarship, 2009
 Overseas Research Scholarship, 2009
 School of Informatics scholarship for PhD study (declined), 2009
 Jim Howe prize for highest overall mark in AI, 2009
 School of Informatics medal for highest overall mark in class, 2009
 IBM University Team Challenge - 4th place, 2007
 IBM UK Mainframe Contest - 2nd place, 2007
 British Computer Society Undergraduate Bursary, 2005
 University of Tehran award for outstanding high school students, 2004

Invited Talks

Jan 10	<i>KeepMeOut of Quetzi</i> Student TechMeetup, Edinburgh, UK
Apr 09	<i>High Dynamic Range Lighting on the Xbox 360</i> TechMeetup, Edinburgh, UK

Languages

Persian/Farsi	<i>Native</i>
English	<i>Fluent</i>
Arabic	<i>Conversational</i>

Skills

C#, Java, C++, MATLAB, Ruby (including Rails), Python (including Django), Haskell, PHP, XML, XHTML, CSS, Javascript, .NET, PhysX, DirectX, OpenGL, Linux, Windows, Mac OS X, IBM z/OS

Responsibilities

REPRESENTATION

Nov 09 - Present **Elected student representative**
Science and Engineering Research Training Committee

Dec 09 - Present **Student representative**
PhD Experience Task Group

Sept 09 - Present **Elected postgraduate student representative**
Edinburgh University Students' Association

Sept 08 - June 09 **Committee member (PR officer)**
Edinburgh University Computer Society

ANNOTATION

PASCAL Visual Object Classes Challenge (VOC), 2010

REVIEWING

Scottish Informatics and Computer Science Alliance (SICSA), 2010

ORGANISING

Sept 09 - Present Edinburgh Probabilistic Inference Group (PIGlets) Journal Club

Attendance

July 10 INRIA Visual Recognition and Machine Learning Summer School, Grenoble, France

Aug 10 Canadian Institute for Advanced Research Summer School on Learning and Vision
in Biology and Engineering, Toronto, Canada