

László Kozma

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INTERESTS	Computer science, applied mathematics, machine learning, information visualization, programming	
EDUCATION	Saarland University, Saarbrücken, Germany Max Planck Institute for Informatics Ph.D. student, topic: parallel MRI reconstruction	since 02/2010
	Helsinki University of Technology, Finland Adaptive Informatics Research Centre M.Sc. Machine Learning and Data Mining Research assistant, topic: analysis of eye movements using machine learning methods Course assistant: Information visualization, Spring 2009	2007 - 2009
	Technical University of Cluj-Napoca, Romania Diploma Engineer, Computer Science (English medium)	2001 - 2006
	HAMK University of Applied Sciences, Forssa, Finland Exchange student with Erasmus scholarship	02/2006 - 05/2006
	Tamási Áron Highschool, Odorhei, Romania Mathematics-Physics class	1997 - 2001
EXPERIENCE	Siemens Corporate Research, Princeton, USA Intelligent Vision and Reasoning Department <ul style="list-style-type: none">• Worked as a research intern on the GeoSpace and Media Tool, a real-time news aggregator• Contributed to implementing, tuning and testing large scale data mining algorithms. Adapted news clustering tool for other domains (medical articles, patents).• As side-projects developed various benchmarking and visualization tools, including a novel zooming graphical interface.	01/2007 - 07/2007
	eSpime Oy, Espoo, Finland <ul style="list-style-type: none">• Contributed to the development of a content management system, used as the platform for several web-projects for Finnish companies.	10/2006 - 12/2006
	Nordlogic, Cluj-Napoca, Romania <ul style="list-style-type: none">• Individually designed and implemented an intranet application for issue tracking and customer relations management. The application handles most internal processes and data of the company. Since 2006 it is further developed and sold by Nordlogic to small- and medium-sized companies.	04/2005 - 12/2005
PROJECTS	WikipediaVision: Real-time visualization of anonymous edits to Wikipedia and the geographic location they are from (covered on National Public Radio, online editions of Wired, The Atlantic, Libération, O'Reilly Radar, New Scientist, Chip.de and hundreds of other blogs/news sources). Exhibited at Museum für Kommunikation in Bern, Switzerland (April-August 2009). http://www.LKozma.net/wpv	
	Nebulo.ro: A site for learning Hungarian language, designed for Romanian-speakers: http://www.nebulo.ro	
	Other projects: FishEyeTabs, Reverse autocomplete, BookBox, Color-changing links, Soundsabitlike.com (some with over 100,000 downloads or visitors): http://www.LKozma.net/projects	
	Pro-bono programming for non-profits (www.szka.org , www.saferworld.ca , www.wikimedia.de) and no-frills web projects (www.fordito.ro , www.varosfalva.ro).	

PUBLICATIONS	<p>László Kozma, Alexander Ilin, Tapani Raiko: Binary Principal Component Analysis in the Netflix Collaborative Filtering Task, In Proceedings of IEEE International Workshop on Machine Learning for Signal Processing (MLSP), 2009, Grenoble, France.</p> <p>László Kozma, Arto Klami, Samuel Kaski: GaZIR: Gaze-based Zooming interface for Image Retrieval, International Conference on Multimodal Interfaces (ICMI-MLMB), 2009, Cambridge, MA, USA.</p> <p>Master's thesis: A proactive interface for image retrieval, Helsinki University of Tech., May 2009.</p> <p>Diploma engineer's thesis: Computer Vision in Optical Inspection of Printed Circuit Boards, Technical University of Cluj-Napoca, July 2006. (Work partly done at HAMK and InnoForss in Finland).</p>
SKILLS	<p>Programming (preferred): C, Java, Php, HTML/CSS/JavaScript</p> <p>Programming (familiar with): C++, Perl, Python, Prolog, Lisp/Scheme</p> <p>Scientific computing, data visualization: Matlab, R, Mathematica, \LaTeX</p> <p>Relational databases (SQL), Parallel programming (MPI), Graphics, User Interfaces, Compilers</p> <p>Logic design basics: VHDL</p> <p>Server administration and scripting on Unix/Linux systems.</p> <p>Development: various IDEs, specification, bug tracking, source control, testing, documentation.</p>
LANGUAGES	English (fluent), Romanian (fluent), Hungarian (native), German (conversational), Finnish (fair)
OTHER ACTIVITIES	<ul style="list-style-type: none"> • TNG Technology Consulting firm, Munich, Germany 01/2008 Invited talk on WikipediaVision • Summer Academy "Simulation Technologies", with DAAD support 09/2005 Petrovac, Montenegro Attended courses, presented the talk "Computer Architectures. Performance Measures." • English certificates: TOEFL (290), GRE (800/640/5.0) 2005
HOBBIES	Puzzles, football, ping pong, running, juggling, literature, linguistics, art/history, aikido, hitchhiking