

INTERESTS	Computer science, computational geometry, learning theory, programming
EDUCATION	<p>Saarland University, Saarbrücken, Germany · 02/2010 - present Ph.D. student, topic: Computational geometry, advisor: Prof. Raimund Seidel Course assistant: Data structures and algorithms, Summer 2010, Autumn 2011 The combinatorics and geometry of triangulations, Summer 2011</p> <p>Helsinki University of Technology, Finland · 07/2007 - 06/2009 Adaptive Informatics Research Center M.Sc. Machine Learning and Data Mining Research assistant, topic: analysis of eye movement data using machine learning Course assistant: Information visualization, Spring 2009</p> <p>HAMK University of Applied Sciences, Forssa, Finland · 02/2006 - 05/2006 Exchange student with Erasmus scholarship</p> <p>Technical University of Cluj-Napoca, Romania · 08/2001 - 07/2006 Diploma Engineer, Computer Science (English medium)</p>
INDUSTRY EXPERIENCE	<p>Siemens Corporate Research, Princeton, USA · 01/2007 - 07/2007 Intelligent Vision and Reasoning Department</p> <ul style="list-style-type: none">• Worked as a research intern, contributing to the implementation and testing of large scale data mining algorithms.• Adapted a text clustering tool for different domains (news stories, medical articles, patents).• As side-projects developed various benchmarking and visualization tools, including a zooming interface for exploring clusters. <p>eSpime Oy, Espoo, Finland · 10/2006 - 12/2006</p> <ul style="list-style-type: none">• Contributed to the development of a content management system, used as a platform for different web-projects. <p>Nordlogic, Cluj-Napoca, Romania · 04/2005 - 12/2005</p> <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 documents of the company. Since 2006 it is further developed and sold by Nordlogic to small- and medium-sized companies.
PROJECTS	<p>WikipediaVision Real-time visualization of Wikipedia edits. Mentioned on National Public Radio, online editions of Wired, The Atlantic, Libération, New Scientist, Chip.de and other news sources. Exhibited at Museum für Kommunikation in Bern, Switzerland (April-August 2009). www.Lkozma.net/wpv</p> <p>Nebulo.ro: A site for learning Hungarian language, designed for Romanian-speakers. www.nebulo.ro</p> <p>Other projects Smaller free software projects and web applications. Some with many active users and wide press coverage. www.Lkozma.net/projects</p>

PUBLICATIONS	<p>László Kozma, Alexander Ilin, Tapani Raiko: <i>Binary principal component analysis in the Netflix collaborative filtering task</i>, IEEE International Workshop on Machine Learning for Signal Processing (MLSP), 2009, Grenoble, France.</p> <p>László Kozma, Arto Klami, Samuel Kaski: <i>GaZIR: Gaze-based zooming interface for image retrieval</i>, International Conference on Multimodal Interfaces (ICMI-MLMB), 2009, Cambridge, MA, USA.</p> <p>M.Sc. thesis: <i>A proactive interface for image retrieval</i>, Helsinki University of Technology, May 2009.</p> <p>Dipl.-Ing. thesis: <i>Computer vision in optical inspection of printed circuit boards</i>, Technical University of Cluj-Napoca, July 2006. (Work partly done at HAMK and InnoForss Finland).</p>
COMPUTER SKILLS	<p>Programming (preferred): <i>C, Perl, Php, JavaScript, Java, HTML/CSS</i></p> <p>Programming (familiar with): <i>C++, Python, Prolog, Lisp/Scheme</i></p> <p>Scientific computing, data visualization: <i>Matlab, R, Mathematica, L^AT_EX</i></p> <p>Software toolchain: <i>various IDEs, bug tracking, source control, testing, debugging, profiling, documentation</i></p> <p>Other: <i>relational databases (SQL), parallel programming (MPI), graphics, user interfaces, compilers, logic design basics (VHDL), server administration and scripting on Unix/Linux systems, image manipulation (Gimp), vector drawing (Inkscape)</i></p>
LANGUAGES	<p>English · fluent Romanian · fluent Hungarian · native German · conversational Finnish · fair</p>
OTHER ACTIVITIES	<p>Workshop on <i>Computational Geometry</i>, Bellairs Research Institute, Barbados · 02/2011 Attended the meeting.</p> <p>Summer Academy <i>Simulation Technologies</i>, Petrovac, Montenegro · 09/2005 Attended courses, presented the talk: <i>Computer Architectures. Performance Measures.</i></p> <p>Reviewing: ACM TiiS · 2011</p> <p>English certificates · 08/2005 TOEFL (290), GRE (800/640/5.0)</p>