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Personal

Born April 15, 1980, Moscow, USSR.

United States Citizen.

Fluent in Russian.

Education

B.S. Computer Science (with High Honors) and Mathematics, University of Maryland, 2002.

M.S. Computer Science, University of Maryland, 2005.

Ph.D. Computer Science, University of Maryland, 2009 (Expected).

Employment

Intern, The Motley Fool, Summer 1999.

Research Assistant, University of Maryland, Advisor Chau-Wen Tseng, 2001-2003.

Research Assistant, University of Maryland, Advisor David Fushman, 2001-2003.

Teaching Assistant, University of Maryland, 2004-2005.

Graduate Research Assistant, University of Maryland, Advisor David Fushman and Dianne P. O'Leary 2004-2009.

Publications

Journal Articles

[J1] Berlin, K., O'Leary, D. P., and Fushman, D. Improvement and analysis of computational methods for prediction of residual dipolar couplings. *Journal of Magnetic Resonance In Press, Corrected Proof* (2009), –.

[J2] Berlin, K., Huan, J., Jacob, M., Kochhar, G., Prins, J., Pugh, B., Sadayappan, P., Spacco, J., and Tseng, C. Evaluating the impact of programming language features on the performance of parallel applications on cluster architectures. *Lecture Notes in Computer Science* (2003), 194–208.

Posters and Abstracts

[P1] Berlin, K., O'Leary, D., and Fushman, D. Improvement and analysis of computational methods for prediction of residual dipolar couplings. In *50th Experimental NMR Conference (ENC)* (Pacific Grove, 2009), p. 67.

[P2] D.Fushman, K.Berlin, and V.Ruchinsky. The virtual NMR spectrometer: A software package for accurate and efficient calculation of the outcome of NMR experiments and a computer tool for learning NMR. In *XXth International Conference "Magnetic Resonance in Biological Systems" (ICMRBS)* (Toronto, 2002), p. 147.

[P3] D.Fushman, and K.Berlin. The virtual NMR spectrometer: A software package for accurate and efficient simulation of the outcome of NMR experiments and a computer tool for learning NMR. In *43rd Experimental NMR Conference (ENC)* (Asilomar, 2002), p. 243.

Teaching Assistantship

CMSC212 Introduction to Low-Level Programming Concepts, Spring 2005.

CMSC214 Computer Science II, Fall 2004.

CMSC412 Operating Systems, Spring 2004.