Andrey Slavchev Kotlarski

Curriculum Vitae

Personal Data

born	*Vidin, Bulgaria,* 19 December 1983
current address	*Sofia, Bulgaria*
phone	+359 885 123 585
e-mail	m00naticus@gmail.com
website	m00natic.github.io

Work Experience

(I.2019)
Principal software engineer
Senior programmer

VIII.2017–now **Pros Inc**, Sofia

Building airline merchandising platform back-end. Performance, memory and logic optimizations. Controlling large data storage and access layers.
Technologies and programming languages involved:
C++ · Common Lisp · Emacs Lisp · Bash scripting
STL · Boost · JSON · XML
Tokyo Cabinet · MongoDB · MySQL

(VI.2013) Senior programmer
Programmer

III.2011– VII.2017 **Vayant Travel Technologies**, Sofia

Programming high-performance search engine framework for exploring cheapest and most convenient fare tariffs and flight combinations. Performance, memory and logic optimizations. Controlling large data storage and access layers. Large code refactoring and generation automation.
Technologies and programming languages involved:
C++ · Common Lisp · Emacs Lisp · Bash scripting · Python
STL · Boost · JSON · XML
Tokyo Cabinet · MongoDB · HyperDex · MySQL

(VI.2008) Senior programmer
Programmer

IV.2006–I.2009 Ibis Business Solutions, Sofia

Programming toolchain for quickly building sophisticated ERP systems.
Technologies and programming languages involved:
ASP.NET · Visual Basic 6.0 · .NET Framework · ADO.NET · IIS
Sybase · Microsoft SQL Server · HTML · CSS
C# · Visual Basic · Transact-SQL · JavaScript · VBScript

Education

University

X.2007– unfinished *"St.Kliment Ohridski"* University, Sofia

Master of Artificial Intelligence

X.2002–IX.2006 *"St.Kliment Ohridski"* University, Sofia

Bachelor of Informatics

	IX.1997–VI.2002 PMG *"Ekzarh Antim I"*, Vidin
High school	Math profile
	3rd place at *XXI Winter Mathematics Festivals*, Pleven 2002
	Special prize at *Romanian National Mathematics Contest "Gheorghe Ţiţeica"*, Călimăneşti-Căciulata 2000
	3rd place at *III International Youth Chess Tournament*, Sofia 1999
	IX.1990–VI.1997 SOU *"Hristo Botev"*, Vidin
Primary education	English profile

Free/Libre/Open Source Software Projects

	I.2013–now VLF
Author and maintainer	GNU Emacs extension which allows seamless operation over multiple huge files at once
	IX.2018–now FDBQ
Author and maintainer	Fast and extensible SQL-like query engine over fixed-field-length DBs
	V.2014–now eww-lnum
Author and maintainer	Extension to the Emacs browser eww that adds conkeror like functionality
	2009–2011 neuroGrape
Author	Modification of the Grapefruit chess engine which uses feedforward backpropagation neural network as evaluation function and learning while playing; tools to train and evaluate such networks offline
	2009–2010 clips-chess
Author	CLIPS expert system for playing king+rook vs king chess endgame

Programming Languages

Most comfortable	Common Lisp · Emacs Lisp
Also worked with	C++ · C# · Visual Basic · Transact-SQL · JavaScript · VBScript CLIPS · Clojure · Bash scripting · LaTeX · Prolog · Python BASIC · R
Read a book or two about	Scheme · Oz · Shen · Haskell · Mercury · Java · Logo

Programming Tools

Operating systems	GNU/Linux (preferred) · Microsoft Windows · FreeBSD
IDEs, editors, debuggers	GNU Emacs · GNU Debugger · Valgrind · Strace Microsoft Visual Studio 6.0/2003/2005 · Qt Creator · Protégé
Databases alike	Sybase · Microsoft SQL Server · MySQL Tokyo Cabinet · MongoDB · HyperDex
Version control	Git · Apache Subversion · Visual SourceSafe

Additional Information

Languages

Bulgarian	·	Mother tongue
English	·	Fluent
Russian	·	Basic

Driving license   Yes

Active driver   No, cycling is better

Interests   Artificial General Intelligence · Metaprogramming · Emacs
Computer Chess · Origami

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