

# Mgr. Martin Janík

## Personal Details

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Home Page: <http://yanas.cz/>  
Date of Birth: 16/06/1983 in Brno, Czech Republic  
Driving Licence: Category B, 07/2001

## Education History

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- 09/2007 – 06/2009 **Applied Informatics, Master's degree**  
Graph Theory, Software Engineering, Geometric Algorithms, Digital Image Processing, Modelling and Simulation, Team Project Leadership, Java Enterprise Edition, ...  
Faculty of Informatics, Masaryk University, Brno, Czech Republic
- 09/2004 – 06/2005 **Computer Science and Artificial Intelligence, Bachelor's degree, Level 2/3**  
Object Oriented Program Development, Concepts of AI, Search and Control in AI, Systems Architecture, Databases Developments, 3D Computer Graphics, ...  
Department of Computing and Information Systems, University of Luton, UK
- 09/2003 – 06/2007 **Applied Informatics, Bachelor's degree**  
Mathematics, Induction and Recursion, Automata and Grammars, Operating Systems, Systems Analysis and Design, Data Modelling, Computer Networks, IT English, ...  
Faculty of Informatics, Masaryk University, Brno, Czech Republic
- 09/1999 – 06/2003 **Studies equivalent to A-levels**  
Informatics, Mathematics, English, Czech Language and Literature  
Gymnázium Brno, třída Kapitána Jaroše 14, Czech Republic

## University Projects

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- 09/2007 – 05/2009 **Algorithms for Automated Processing of 2D Orthopaedic Data**  
Diploma thesis focused on development of algorithms suitable for processing of 2D orthopaedic data. Advisor: RNDr. Pavel Matula, Ph.D., [pam@fi.muni.cz](mailto:pam@fi.muni.cz)  
Faculty of Informatics, Masaryk University, Brno, Czech Republic
- 09/2006 – 05/2007 **Online Shop Web Tier in Java EE**  
Bachelor thesis mainly focused on the Java Enterprise Edition 5 and web application frameworks based on this platform. Advisor: Ing. Petr Adámek, [adamek@fi.muni.cz](mailto:adamek@fi.muni.cz)  
Faculty of Informatics, Masaryk University, Brno, Czech Republic
- 09/2006 – 06/2007 **Phone Book in Java EE**  
Individual assignment focused on implementation of a Swing and a web interface to a phone book based on the Java Enterprise Edition 5 platform.  
Faculty of Informatics, Masaryk University, Brno, Czech Republic
- 09/2005 – 01/2006 **Attributes Description for the VREcko System**  
Developing tools for manipulating static and dynamic attributes of objects used by the VREcko System. Project leader: RNDr. Jan Flasar, Ph.D., [flasar@fi.muni.cz](mailto:flasar@fi.muni.cz)  
HCI Lab, Faculty of Informatics, Masaryk University, Brno, Czech Republic
- 09/2003 – 06/2004 **VREcko System OpenAL Plug-in**  
Developing an OpenAL plug-in written in C++ providing 3D sound capabilities for the VREcko System. Project leader: RNDr. Jan Flasar, Ph.D., [flasar@fi.muni.cz](mailto:flasar@fi.muni.cz)  
HCI Lab, Faculty of Informatics, Masaryk University, Brno, Czech Republic

## Programming Competitions

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- 09/2006 – 06/2007 **Fibot 2, 2<sup>nd</sup> place and the prize of 15,000 CZK**  
Leader of the SwarmIntelligence team, main Java developer of the team strategy.  
Implementation of artificial intelligence for a team of independent virtual bots in Java.  
Teams compete in a league, collecting treasures on a symmetric world map.  
Faculty of Informatics, Masaryk University, Brno, Czech Republic
- 02/2006 – 06/2006 **Fibot, 3<sup>rd</sup> place and the prize of 5,000 CZK**  
Leader of the NullBot team, main Java developer of the team strategy.  
Implementation of simple artificial intelligence for an autonomous virtual bot in Java.  
Bots compete in a tournament, collecting treasures, managing energy and shooting.  
Faculty of Informatics, Masaryk University, Brno, Czech Republic

## Scholarships

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- 09/2005 – 06/2009 **Support of exceptional students**  
Several scholarships awarded for exceptional studying results.  
Faculty of Informatics, Masaryk University, Brno, Czech Republic
- 01/2005 – 06/2005 **Freemovers**  
12,000 CZK per month to support my studies at the University of Luton in the UK.  
Masaryk University, Brno, Czech Republic

## Employment History

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- 09/2008 – Still **Java SE/EE Developer, Development Manager**  
Developing CloverETL Engine, Designer and Server. Development management.  
Reference: Ing. David Pavlis, [david.pavlis@javlin.eu](mailto:david.pavlis@javlin.eu)  
Javlin, a.s., Prague, Czech Republic
- 09/2007 – 01/2010 **Java and XML Teacher**  
Teaching students, marking their work, advising students, leading practical projects.  
Reference: RNDr. Tomáš Pitner, Ph.D., [tomp@fi.muni.cz](mailto:tomp@fi.muni.cz)  
Faculty of Informatics, Masaryk University, Brno, Czech Republic
- 09/2006 – 01/2007 **Java Teacher's Assistant**  
Marking students for their assignments and exams, advising students.  
Reference: Ing. Petr Adámek, [adamek@fi.muni.cz](mailto:adamek@fi.muni.cz)  
Faculty of Informatics, Masaryk University, Brno, Czech Republic
- 01/2005 – 07/2005 **General Administration Support, Web Designer and Developer**  
Fulfilling administrative tasks, developing an internal web-based information system.  
Reference: Barry Green, [barry.green@beds.ac.uk](mailto:barry.green@beds.ac.uk)  
Faculty Office, University of Luton, United Kingdom
- 01/2001 – Still **Freelance Web Designer and Developer**  
Designing, programming, dealing with clients, managing time, meeting deadlines.  
References available at <http://yanas.cz/web-design.xhtml>.  
Brno, Czech Republic

## Language Skills

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- Czech Native speaker
- Slovak Excellent
- English Certificate in Advanced English, 12/2003
- French Intermediate
- German Passive

## Computer Skills

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- **Programming languages**

Java (NetBeans, Eclipse, Java SE, Java EE, Swing, SWT, JFace, Jakarta Commons, JavaMail, GlassFish, Apache Struts, Stripes, Google Protocol Buffers),

C/C++ (Microsoft Visual C++, STL, MFC, Win32 API, Direct3D, OpenGL, OpenAL, RenderWare),

C# (Microsoft Visual Studio .NET), Pascal, Delphi, Prolog, x86 Assembly Language

- **Scripting languages**

PHP, JavaScript

- **Databases**

MySQL, Oracle 9i, PostgreSQL, Informix

- **XML**

DTD, XML Schema, XSLT, XPath, XQuery, W3C DOM, SAX

- **Web design**

Macromedia HomeSite, (X)HTML, CSS, WCAG, W4D, AJAX

- **Computer graphics**

Macromedia Fireworks, GIMP, Jasc Paint Shop Pro, 3D Studio Max

- **Operating systems**

Microsoft Windows, GNU/Linux, Apple Mac

- **Office software**

Microsoft Office, OpenOffice.org

## Personal Qualities

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- **Passion for work and challenges**

When an interesting task or a challenge stands ahead, I work passionately until it is finished.

- **Willingness to learn, communication skills**

These are essential when I work with a new technology or join a team working on a specific project.

These skills help me learn everything quickly and effectively in a professional manner.

- **Project management skills, ability to work under pressure**

I have worked on and completed number of web sites for various organisations. Organisations have been very satisfied both with my approach to the work and the final result.

- **Time management and administration skills**

Having worked on many projects, I have successfully completed the projects within the time appropriate in both work and education.

- **Interpersonal skills**

I work successfully as a team member, on some occasions working in small teams and at other times on my own initiative. I do always present cooperative, hard-working and reliable attitude.

## Interests

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- **Programming simple computer games**

I have written five simple computer games in C++ (with the use of MFC) for Microsoft Windows.

Available at <http://files.yanas.cz/games.zip>.

- **Programming in OpenGL**

I have written a C++ application for Microsoft Windows demonstrating main features of OpenGL.

Available at <http://files.yanas.cz/opengl-showcase.zip>.

- **Digital photography**

I am interested in digital photography, although I am still a beginner with little time for his passion.

- **Entertainment**

Urban games, various sports, music, films and theatre.