

# IGOR WOJNICKI

Pszona 22/18

31-462 Krakow, POLAND

phone: +48 508 444450

e-mail: [wojnicki@agh.edu.pl](mailto:wojnicki@agh.edu.pl)

web: <http://home.agh.edu.pl/~wojnicki>

cv.tex,v 1.7 2008/01/11 12:07:22 wojnicki Exp

---

## 1 EXPERIENCE

- 12/01/2005–PRESENT : AGH University of Science and Technology, Assistant Professor  
Teaching: Java, C, Internet and Multimedia Techniques, Usage and Administration of Unix Systems (esp. Linux) and Computer Networks, Design and Development of Relational Databases (esp. PostgreSQL and Oracle), Artificial Intelligence Languages, Knowledge Engineering Methods, syllabi (mostly in Polish): <http://home.agh.edu.pl/~wojnicki>; research in the field of Knowledge Engineering, Logic Programming, Relational Databases, Network Security, and Systems Administration; the HeKatE (Hybrid Knowledge Engineering) project team leader (<http://hecate.ia.agh.edu.pl>).
- 8/12/2004–8/12/2005 : UMSL Mathematics and Computer Science Department, Visiting Assistant Professor  
Teaching: Program Translation Techniques, Operating Systems, Computer Systems, syllabi can be found at <http://www.cs.umsl.edu/~wojnicki>; research in the field of Knowledge-based Processing, Logic Programming, and Relational Databases.
- 8/15/2003–8/11/2004 : SIUE, School of Engineering, Department of Computer Science, Lecturer  
Teaching: Introduction to Computing, Operating Systems, Unix Programming: Applications and Administration (it includes graduate projects concerning security, wireless communication, e-mail filtering, authorization and authentication); research in the field of Databases, Knowledge Processing and Logic Programming.
- 8/15/2002–8/15/2003 : UMSL Mathematics and Computer Science Department, Lecturer (Visiting Professor)  
Teaching: Computer Vision, Operating Systems, Systems Administration, Advanced Programming in UNIX; research in the field of Knowledge-based Processing and Collective Intelligence.
- 10/01/1999–11/30/2005 : AGH University of Science and Technology, Teaching Assistant/Lecturer  
Teaching C, C++ languages, usage and administration of Unix systems (esp. Linux) and computer networks, design and development of Relational Databases (esp. PostgreSQL and Oracle), AI techniques and Prolog language. Participation in Regulus Project: Formal methods and tools for computer-aided analysis and design of databases and knowledge-based systems (<http://regulus.ia.agh.edu.pl>). Participation in Antares Project: Advanced Network Technologies Art – Research Evolution Saga – authentication management, user data management and replication, multiple distant servers control.
- 04/01/1997–07/01/2001 : Zi-eM, Manager, Administrator, Designer, Programmer  
Design and administration of heterogenous computer networks and Unix systems including HTTP, SMB, email services, routing, NAT, Firewall techniques and databases (esp. PostgreSQL).
- 10/01/1998–07/01/1999 : GEM, Programmer/Designer  
Coordination, design and development of database systems for medical purposes (using MUMPS language), automatic data acquisition systems, and user interfaces
- 1997–2000 : ABA (SCO Systems Partner), Programmer/Instructor  
Linux OS teacher and instructor. Design and Development of data acquisition systems, visualization and representation methods based on UNIX environments.

## 2 EDUCATION

- AGH – University of Science and Technology<sup>1</sup>  
PhD, 2004: “A Rule-based Inference Engine Extending Knowledge Processing Capabilities of RDBMS”  
major: Computer Science  
the dissertation can be found at <http://home.agh.edu.pl/~wojnicki/phd>
- Cyfronet  
Design and Development of Database Applications Using Oracle Developer2000, 2001
- AGH – University of Science and Technology  
MSc, 2000: “Design and Implementation of a Graphical User Interface for Computer Aided Logical Design of Kheops Knowledge Based System.”  
major: Computer Science  
the thesis can be found at <http://home.agh.edu.pl/~wojnicki/thesis>

## 3 SKILLS

- Unix administration (esp. Linux).
- Imperative and declarative programming: C, C++, Java, Prolog, SQL, Bash, Awk, PHP, JavaScript, Mat-Lab, MUMPS.
- Knowledge Engineering: Knowledge Representation and Processing techniques, Rule-based Systems.
- Design and development of databases (esp. PostgreSQL, LDAP, Oracle).
- Software Engineering: Structured Design, UML.
- Experience in desining modern computer networks, network links and devices.
- Computer System Security, including firewall techniques and packet filtering.
- Image processing techniques.
- Design and administration of WWW services, including CMS.
- Programming data acquisition systems: telephone switching systems, medical equipment.
- Electronic document processing and DTP systems: LaTeX, TeX, HTML, CSS, XML (including DocBook).
- Expert and rule-based systems, declarative programming.
- Program Translation Techniques.
- Teaching Computer Science.

## 4 HOBBIES

- Computer science.
- Traveling.
- Shin Shin Toitsu Do Aikido.
- Medieval archery.
- Hiking.
- Skiing.
- Scuba Diving.
- Photography.

---

<sup>1</sup>The official name of the university, has been changed recently, the original Polish name remains the same: Akademia Gorniczo-Hutnicza, which was often translated as the Technical University – AGH, or University of Mining and Metallurgy.