

# Karol Kwiatkowski

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## Skills

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Languages and Web Technologies: C, C++, PHP, Bourne Shell, SQL, (X)HTML, CSS, Javascript

Platforms : FreeBSD, Windows 95/98/2000/XP, Linux (Debian)

Networking and Security: protocols (TCP, UDP, ICMP), firewalls (pf, ipf, Kerio WinRoute, personal firewalls), monitoring, intrusion detection (Aide, Tripwire), auditing (Nmap, Nessus, portaudit), chroot and jail (FreeBSD) mechanisms

Server software: Apache HTTPD, Sendmail, Clamav

## Education

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**5-year master studies in Computer Science** (finished but don't have the Master title yet - Master Thesis in progress)  
Institute of Computer Science, University of Wrocław, Poland

Subjects: Algorithms and Data Structures, Parallel and Distributed Algorithms, Software Engineering, Object-Oriented Programming, Operating Systems, Distributed Systems, Computer Networks, Databases, Formal Languages and Automata Theory, Computability and Complexity, Compilers, Cryptography and Computer Security, Coding Theory, Computer Graphics, Neural Networks, Artificial Intelligence, Probability and Statistics, Econometrics

## Employment History

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### **System/Network Administrator and Security Officer**

*System - usługi komputerowe* (Wrocław, Poland)  
2002-Present

*System - usługi komputerowe* is a small (family) company providing computer training for institutions.

- Administration and monitoring of desktop systems (Windows and Linux), network services (small office - printing, file sharing) and gateway/firewall server (FreeBSD) running secure mail and web services.
- Designed and implemented strict security policies on systems, within the network and between network and Internet.

### **System/Network Administrator (part time)**

*Towarzystwo Wiedzy Powszechnej (TWP)* (Wrocław, Poland)  
1998-Present

*TWP (Society for the Dissemination of Science)* is a Polish non-government organisation, founder of non-government universities and high schools, offering training services itself.

- Installation and administration of multiple "free-access" Windows desktop systems (including hardware, about 50 machines) and local network.

## Related activities

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- Web development. Designed and implemented (PHP) open and free speedway fan club website (users database, user authentication, access control, customizable UI, separate administrative panel). Several small projects.
- Network security. Made a lot of research in network security as one of my hobbies, including web (HTML Code Injection, Cross-Site Scripting, SQL Injections, Session Hijacking, Session Fixation), code (buffer overflows), network (anti-spoofing, packet normalization, Network Intrusion Detection Systems) and reading of SecurityFocus mailing lists on a daily basis.

## Languages

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Polish (native), English (good), German (basic)

Last modified December 2004.