John Rodriguez

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EDUCATION

Columbia University, 4-1 Program, New York, NY

9/02 – 5/03 **Columbia College**
Bachelor of Arts in Computer Science

9/98 – 5/02 **Fu Foundation School of Engineering and Applied Science**
Bachelor of Science in Electrical Engineering

EMPLOYMENT

9/04 – 2/06 **Columbia Center for New Media Teaching and Learning (CCNMTL),** New York, NY
New Media Associate Intern
- Developed category search and editor extensions for Mediawiki, the software of Wikipedia.
- Applied Eclipse profiling tools to identify and fix memory leaks and improve bottlenecks.
- Redesigned internal staff directory with Velocity and Servlets using a MVC2 approach.
- Created J2EE web application listener to monitor and limit sessions.

8/05 – 10/05 **Rooftop Labs,** New York, NY
Consultant/Software Engineer
- Introduced form validation to JSP application used by social service agencies.

Summer '02 **Microsoft Corporation, Exchange Mail Server Team, Kodiak Test Team,** Redmond, WA
Software Design Engineer in Test Intern
- Created ASP application for testers to automate instrumentation of recent code submissions.
- Created C# plug-in to collect profiling data during test case runs on instrumented code.
- Organized test case results into detailed reports citing static and dynamic code coverage statistics.

Summer '01 **Central Intelligence Agency (CIA), Consolidated Workgroup Engineering Branch,** Langley, VA
Coop
- Redesigned department's website as an HTTP-enabled database using Lotus Domino Designer.
- Restructured hierarchy and views of internal information exchange database.
- Conducted research analyzing various platform migration software utilities.
- Debugged C code used in the Agency's cable messaging system.
- Top secret government clearance through 2006.

9/00 – 5/02 **Columbia University Law School, Information Technology Department,** New York, NY
Programmer
- Created account and locker management systems using Servlets, JSPs and Beans technology.
- Created database schemas, tables and stored procedures on Informix platform.

RESEARCH

7/04 –11/04 **Columbia University Biomedical Engineering Department,** New York, NY
Research Assistant/Software Engineer, MedfoLink Project
- Designed and developed J2EE web interface for public health officials and physicians.
- Automated analysis of ER chief complaint reports using medical language processing and the Unified Medical Language Source (UMLS) to assist and improve medical care.
- Awarded 1st place for student paper published in the *Proceedings of the NC Symposium on Biotechnology & Bioinformatics*, October 2004.

6/03 – 1/04 **Columbia University Computer Science Department, Languages and Compilers Group,** New York, NY
Research Assistant, Taxi Project
- Developed a domain-independent language for device drivers, prototyping in M4.
- Created character device drivers for Linux and FreeBSD kernels.

SKILLS & TECHNOLOGIES

Languages	C, C++, C#, Java, JavaScript, Perl, PHP, Python, SQL, UML, XML, XSL
Java	J2SE 5.0, J2EE, Velocity
Databases	PostgreSQL, MySQL, SQL Server, Informix, Access, DB2
Open Source	Apache, Hibernate, JUnit, Lucene, MediaWiki, Spring, Tomcat, Xerces
Tools	Ant, Eclipse, JMeter, CVS, SVN, Visual Studio

Strong knowledge of Spanish, French. Familiar in Italian. Novice in Russian. Learning Farsi.