

DAVID D. RIM

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SUMMARY OF QUALIFICATIONS

Highly motivated and versatile programmer with experience utilizing a variety of languages and platforms. Passionate about problem solving, writing code, and improving existing solutions.

Languages: C, C++, Java, PHP, Python, Perl, ASP, C#, CFML, HTML, SQL,
VisualBasic, Javascript, UNIX shell scripting

EDUCATION

University of Rochester Rochester, NY
1st Year PhD student, GPA 4.0/4.0
Advisor: Chris Pal

Research: Robust Image Duplicate Detection

Coursework: Logical Foundations of A.I.*
Advanced Operating Systems*
Computational Complexity*
Computer Vision
Mathematical Foundations of A.I (Machine Learning)
Advanced Algorithms
Advanced Programming Systems

*completed

Columbia University New York, NY
MA in Quantitative Methods in Social Sciences, GPA 3.9/4.0 Oct., 2007
BA in Political Science, GPA 3.2/4.0 Jan., 2005

PROFESSIONAL EXPERIENCE

Targetspot, LLC. New York, NY
Lead Programmer May, 2007 – current

Lead web programmer for innovative streaming media advertising network. Designed and developed auction-based streaming media advertising system in PHP. Designed and implemented statistical learning based systems to support bidding model and advertising inventory. Deployed, designed and maintained several MySQL databases, including replication and heartbeat monitoring. Maintained and managed content creation tools, including support of Text-To-Speech services, Flash Communication services. Maintained and managed zip code query services using Quova and Tomcat. Managed a team of 5 developers and responsible for scheduling and task specifics. Communicated development needs and activities in weekly briefings with CEO.

Heavy, LLC. New York, NY
Lead Programmer Feb, 2004 – May, 2007

Lead web programmer for multimedia content network. Designed and developed content management system using Flash MX Components frameworks, XML and PHP 5. Migrated site to Content Distribution System. Installed and managed versioning system. Designed and developed community site using PHP/XML, ffmpeg. Responsible for all program hires and development schedules. Administered co-located servers, including three Mysql database servers and six load-balanced Redhat Linux enterprise web servers. Installed and maintained bugzilla and svn systems for software development. Managed a team of 6 developers.

Insound, LLC. New York, NY

Director of Technology May, 2000 – Sept., 2004
Responsible for all technology requirements at an Internet retail music and marketing company grossing over a million dollars per year. Programmed JSP pages and backend tools for search functionality using the Java based Jakarta Lucene API. Designed, built and maintained an inventory management system using VisualBasic, ColdFusion and SQL Server 7.0. Wrote and maintained user-management system using ColdFusion and SQL Server. Wrote consumer direct fulfillment application interface over the HTTP protocol and XML-RPC. Wrote and maintained several ecommerce sites in Python and PHP for clients using the system but unable to afford contractors or in-house developers. Extended and maintained ecommerce website, including migrating the system from CyberCash to Payflow Pro. Administered internal office network and mail. Installed and configured Netfilter and Snort to improve network security, installed and configured SSH and Outlook Web Access for remote access to mail, and SpamAssassin as a mail filter to reduce spam and viruses. Administered colocated network. Installed and configured Cisco PIX firewall and Cisco Catalyst switches. Supported external servers, including web, database and backup servers using a variety of operating systems including Linux, Windows NT, FreeBSD and Windows 2000 Server. Installed, configured and maintained Apache 2 on Linux, Apache on NT, Tomcat on Linux and NT, MySQL on Linux and NT, SQL Server on NT, IIS, and CF Server. Managed outsourced projects.

Mt. Sinai School of Medicine New York, NY
Computer Consultant Sept., 1999 – May, 2000
System administrator for the Neurobiology Department. Supported local network of about 50 macs and 25 users. Maintained file server, mail server, printers, routers, and backup systems. Administered AppleShare IP system, migrated AppleShare IP to NFS, sendmail and LPR. Consulted and helped maintain several neurobiology lab projects with significant computational requirements.

ACADEMIC PROJECTS

Columbia University New York, NY
“H.A.U.N.T - Heuristic Audit of Network Traffic” Fall, 2000
Implemented datastructures in C++ for hierarchical model evaluation. Worked on a team of 4 under supervision of faculty and laboratory.

Columbia University New York, NY
“J.A.M – Java Agents for Metalearning” Fall, 1999
Extended Java AWT graphical user interface for the metalearning application.