

# Darin Pantley

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## Employment History

*Member of Technical Staff at Riverbed Technology* (February 2011 to Present)

- ✓ Top secret stuff

*Intern at Riverbed Technology* (Summer 2010)

- ✓ Investigated uses for VMware ESXi 4.1 technologies (vSphere, dvFilters, VMCI)
- ✓ Created VM-to-hypervisor sockopt messaging mechanism using VMCI in C++

*Intern at Riverbed Technology* (Summer 2009)

- ✓ Added C++ code for statistics logging and high performance UDP packet capturing
- ✓ Created Perl test cases and integrated project with Steelhead CLI using Python

*QA Intern at Riverbed Technology* (Summer 2008)

- ✓ Automated cross-browser testing of a pre-alpha product using Python and Selenium

## Technical Skills

*Experience:* C, C++, C#, Perl, Python

*Exposure:* Java, JavaScript, MATLAB, MIPS, OCaml, PHP, Ruby, VB

*APIs:* DirectX, Django, GeckoFX, GRITS, NetworkX, NLTK, Open AIM, OpenCV, Pthreads, Selenium, sockets (Berkeley, VMCI, Winsock), SQL (MySQL, SQLite)

*Markup:* CSS, HTML, XML & XPath, YAML

*Software:* Bugzilla, Eclipse, GDB, httpd, Notepad++, Office, Photoshop, Review Board, Secure Shell (ssh, scp, NX), SVN, Vim, VirtualBox, Visual Studio, vSphere

*Hardware:* assemble computers from scratch, RAID, upgrade components, water cooling

## Activities

*Chair of SIGArt – ACM Special Interest Group for Artificial Intelligence* (2007 to 2010)

- ✓ Managed group goals, motivation, idea-sharing, and work dispersion
- ✓ Projects include Wikipedia Knowledge Extractor and Bayesian chat bot

*Small Group Leader for Excel Campus Ministry* (2008 to 2009)

- ✓ Led weekly meetings and facilitated discussion among attendees

## Extracurricular Programming

ACM MechMania contestant ..... (2009, 2010)

Perl & Python instant messenger chat bots ..... (2003 to 2009)

C# AOL Instant Messenger client ..... (2008)

Visual Basic spaceship game ..... (2006)

## Education

*University of Illinois: Champaign-Urbana* (2006 to 2010, part-time 2011)

- ✓ 13 credit hours remaining until B.S. in Computer Science from College of Engineering
- ✓ Specializations := {artificial intelligence, databases}

*Senior Capstone Group Project with Rockwell Collins* (2009 to 2010)

- ✓ Implemented computer vision algorithms in C for autonomous tracking Roomba