Kevin Berry

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Objective A full-time software engineering position at a leading technology company. Interested in a wide range of software engineering and computer science topics, from systems and security to distributed systems to web development.

Education

Villanova University May 2011
BS Computer Science

Professional

Google *Software Engineer*
Summer of Code - The Tor Project *Summer 2010*
Successfully participated in Google's open-source student program to develop a database driven back-end for the Tor Metrics Portal to track statistics, publish data, and create visualizations for the entire Tor network. I also helped to create a more dynamic and interactive website. The technologies included PostgreSQL, GNU R, ggplot2, Apache Tomcat, and Java J2EE.
http://metrics.torproject.org
http://github.com/kjbbb/metrics-web, http://github.com/kjbbb/metrics-db

ESI Medical *Software Engineer*
Belmar, NJ *Summer 2009*
Created complete registration and scheduling portal web app for administrators and employees for flu clinics. It is currently used by hundreds of employees to upload and encrypt documents, track payroll, and register for times and locations. The technologies included PHP, Apache, MySQL, imagemagick, and Javascript (jQuery).
http://esimedical.com/vcr

Alliant Managed Services *Software Engineer*
Morristown, NJ *Fall 2010*
Created internal web application to keep track of managed systems for their clients. Technologies included PHP, Apache, SOAP, CodeIgniter, and JavaScript (jQuery).

Other Projects

Distributed Computing via the Browser *Fall 2009*
Created a demo and published a paper for a research class which involved collaboratively reverse hashing a hidden list of words by using the processing power of the people currently browsing the website.

Sprite Cutter *Spring 2009*
Developed an application for a software engineering class in C++ to accept an image file, find the discrete images and sections within it (usually a sprite sheet), and publish the images and vectors in a useful format. Based on the OpenCV image processing library.
http://github.com/kjbbb/spritecutter-web

Skills

Programming Languages: Java, C, C++, PHP, SQL, PL/SQL, Python, Ruby, R, Scheme, Bash, JavaScript, AWK, asm (debugging i386, x86-64)

Libraries and Tools: vim, git, subversion, ggplot2, Rserve, Apache, Apache Tomcat, J2EE web, LaTeX, gcc, gdb, gas, CodeIgniter, PostgreSQL, MySQL, Oracle, unix utilities, debugging tools, ssh, cURL

Operating Systems: Unix - Proficiency with Linux (Debian, Arch), OSX, familiararity with BSDs, Solaris, Windows

Activities

Elected Captain, Treasurer, and President of Villanova Alpine Ski Team
Elected Captain Rumson Fair-Haven Cross Country Team
Elected Captain Rumson Fair-Haven Indoor Track Team

Course Work

Algorithms 1, 2	Data Structures 1, 2	Theory of Computation
Software Engineering	Research Topics	Programming Languages
Statistics	Calculus 1, 2	Discrete Structures
Databases	Operating Systems	Logic
Unix Development		

Grades

3.31 CS GPA
Dean's List 2010