Kevin Berry

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Objective A full-time software engineering position at a leading technology company.

Education

Villanova University May 2011
BS Computer Science

Professional

Google
Summer of Code - The Tor Project Summer 2010
Successfully developed a new 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 involves 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

Libraries and Tools: Vim, Git, Subversion, ggplot2, Rserve, Apache, Apache Tomcat, J2EE web, LaTeX, GCC, CodeIgniter, PostgreSQL, MySQL, Oracle, Unix Utilities, SSH, cURL

Operating Systems: Linux (various flavors), familiararity with BSD, Windows, OSX

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