

Kevin Berry

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Objective	A full-time software engineering position at a leading technology company.	
Education	Villanova University BS Computer Science	May 2011
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 Middletown, 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	<i>Programming Languages:</i> Java, C, C++, PHP, SQL, PL/SQL, Python, Ruby, R, Scheme, Bash, JavaScript <i>Libraries and Tools:</i> Vim, Git, Subversion, ggplot2, Rserve, Apache, Apache Tomcat, J2EE web, LaTeX, GCC, CodeIgniter, PostgreSQL, MySQL, Oracle, Unix Utilities, SSH, cURL <i>Operating Systems:</i> Linux (various flavors), familiarity with BSD, Windows, OSX	
Activities	<i>Elected Captain, Treasurer, and President of Villanova Alpine Ski Team</i> <i>Elected Captain Rumson Fair-Haven Cross Country Team</i> <i>Elected Captain Rumson Fair-Haven Indoor Track Team</i>	

Course Work	Algorithms 1, 2 Software Engineering Statistics Databases Unix Development	Data Structures 1, 2 Research Topics Calculus 1, 2 Operating Systems	Theory of Computation Programming Languages Discrete Structures Logic
Grades	3.31 CS GPA Dean's List 2010		