

Reuben Cornel

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Objective	To obtain a full time position as a software engineer
Education	M. S. in Computer Science, GPA 3.6 , anticipated December 2009 North Carolina State University, Raleigh, NC Courses Completed: Artificial Intelligence, Database Systems Concepts, Engineering Knowledge Based Systems, AI Programming, Computer Networks, Software Reliability and Testing, Algorithms, Masters Thesis Research. B. E. in Computer Science, First Class with Distinction , 2005 Visvesvaraya Technological University, Karnataka, India
Skill Set	C, C++, Java(J2SE and J2EE) Unix Shell scripting, Perl, Python, Ruby, Lisp AJAX Technologies, Java Script, JSP, Servlets, HTML, XML, PHP, Drupal, Web services(Apache Axis) Unix SQL, JDBC, PostgreSQL, Oracle, Mysql, SQL Server 2000
Work Experience	Graduate Intern, Verisign Inc , Sterling, Virginia – <i>Summer - Fall 2008</i> Developed modules in PHP for an internal social networking website, that helped the web application communicate with the organizations' active directory server and intranet servers. Analyzed a database project automation stack, currently under development. Mentioned in the company news letter as a "top-notch intern" Software Engineer, Torry Harris Business Solutions , Bangalore, India – <i>2005-2007</i> Designed, developed and maintained systems as per client requirements. Served as the on-site coordinator in the UK and led a team of five people. Responsibilities included requirement gathering, high level design, low level design, reviewing implementation and auditing test plans. Won the best new employee award for 2005-06
Projects(Industry) <i>TIAM Audit</i>	Implemented a system that extracted relevant user information from various client systems and performed an audit on the extracted information with the information in the corporate database. Responsibilities included requirement gathering, high level design, implementation and auditing the test plans. Optimized the scripts that resulted in a 66% percent improvement in performance. Used a number of technologies such as Shell, Perl, Vbscript, SQL Server 2000.
<i>Database Query Generator</i>	Implemented a system in Perl for an informix based database that generated intelligent queries based on constraints provided by the user.
<i>Web Shopping Portal</i>	Implemented a shopping portal for a client using J2EE(JSP, EJBs, JDBC), DB2 and IBM Websphere. Responsibilities included design and development of the shopping cart module.
Projects (Academic) <i>A collaborative cognitive modeling environment</i>	Conceptualized and developed a system that provides cognitive scientists with the facility to collaborate among themselves when developing cognitive models. Conceptualized and implemented a novel representation for cognitive models that allows for an ecosystem of tools and utilities to be built for cognitive models.
<i>Testing the Microsoft Enterprise Library</i>	Designed test cases and tested the validators package of the Microsoft Enterprise library using the Microsoft Pex testing framework.
<i>Identification of on-screen controls for an interface soft bot</i>	Designed and implemented an interface soft bot in lisp that identified objects on a GUI such as buttons, text boxes and other such controls. Developed data structures that performed operations of identifying controls and determining special relationships between controls.
<i>Database systems project</i>	Designed and developed the database(Mysql) and application(Ruby) design for a courier company as a part of the coursework.
Theorem Prover	Implemented a theorem prover in Java for First Order Logic using the two pointer algorithm for resolution
<i>Web based implementation of Optimal Ghost</i>	Implemented the game Ghost using using an adversarial search in Java. Provided a front end to the application using JSP and AJAX.