Reuben Cornel

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Objective	To obtain a **full time position** as a **software engineer** starting **summer 2009**
Education	**M. S. in Computer Science, GPA 3.6**, anticipated July 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 **B. E. in Computer Science**, **First Class with Distinction**, 2005 Visvesvaraya Technological University, Karnataka, India
Skill Set	C, C++, Java(J2SE and J2EE), Visual Basic Unix Shell scripting, Perl, Python, Ruby, Lisp AJAX Technologies, Java Script, JSP, Servlets, HTML, XML, PHP, Drupal, Apache Axis SQL, JDBC, Informix, PostgreSQL, Oracle, Mysql, SQL Server 2000
Work Experience	**Graduate Intern, Verisign Inc,** Sterling, Virginia – *Summer - Fall 2008* 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 database project automation stack, currently under development. Analyzed and suggested the interface required for migrating data from drupal to clear space using web services. **Software Engineer, Torry Harris Business Solutions,** Bangalore, India – *2005-2007* Designed, Developed and maintained systems as per client requirements. Served as the **on-site co-ordinator** 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.

Projects (Academic)	*Testing the Microsoft Enterprise Library*	Designed test cases and tested the validators package of the Microsoft Enterprise library with tests written in C# using Microsoft Pex testing framework.
	Identification of on-screen controls along with spatial relationships for an interface softbot	Designed and implemented an interface softbot in lisp that identified objects on a GUI such as buttons, textboxes and other such controls. Developed datastructures that performed operations of identifying controls and determining special relationships between controls.
	Database systems project	Designed and developed the database(Mysql) and application(Ruby) design for a courier company as a part of the coursework. Obtained the maximum possible marks for the project
	Theorem Prover	Implemented a theorem prover in Java for First Order Logic using the two pointer algorithm for resolution.
	Session Initiation Protocol	Implemented the Session Initiation Protocol (RFC 3261) in C for Wipro Technologies as as intern. The implementation made extensive use of threading using the pthreads library to improve efficiency
Projects (Industry)	*TIAM Audit*	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.
	Web Shopping Portal	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.
	Database Query Generator	Implemented a system in Perl for an informix based database that generated intelligent queries based on constraints provided by the user.

Achievements	Won the **best boot camper (new employee) award** for the year (2005-06) at Torry Harris Business Solutions
White papers	Implications of AJAX on web user interfaces Management of web services – An insight