

<b>Personal Profile</b>	I am an engineer at Bimable Technology Inc, an early stage startup by UC Irvine Computer Science Professor Chen Li. Previously, I worked under Prof. Chen as a graduate student in the Information Systems Group. I worked on Interactive Query Suggestion and Auto-Completion on large scale systems. My interests are in information retrieval and databases. I have hands-on experience with engineering challenges in building fast search engines.		
<b>Education</b>	<b>University of California -Irvine</b>	Sep 2008 - May 2010	<b>GPA: 3.69/4.0</b>
	MS in Computer Science Thesis: Interactive Query Suggestion. Adviser: Prof. Chen Li		
	<b>SSN College of Engineering, Anna University-India</b>	May 2004 - July 2008	
	Bachelor of Engineering( <i>Honors</i> ) in Computer Science and Engineering 69%(no GPA system) Senior Project: Parallel Biological Neuronal Network simulations using petrinets. Advisor: Prof. N. Venkateswaran. Work published in Neuroinformatics'08.		
<b>Experience</b>	<b>Bimable Technology Inc.</b>	Software Engineer	
	Irvine, CA	Jun 2010 - Present	
	Designed and implemented the first vertical-search product of Bimable. The live demo of the product is at ( <a href="http://bimable.com/demos">http://bimable.com/demos</a> ).		
	<b>iPubmed - Information Systems Group,UCI</b>	Graduate Student	
	Advisor: Prof.Chen Li, UCI	Jul 2009 - May 2010	
	Designed and implemented Interactive Query Suggestion in iPubmed ( <a href="http://ipubmed.ics.uci.edu">http://ipubmed.ics.uci.edu</a> ) as part of my MS thesis. Highlights are novel In-Memory, Trie based index structure in C++ with application residing on Apache-FastCgi server, talking AJAX/JSON through Python scripts.		
	<b>Waran Research Foundation</b>	Student Programmer, Part-Time	
	Chennai, India, <a href="http://warftindia.org">http://warftindia.org</a>	Sep 2006 - July 2008	
	Experience in Parallel Programming and Linux Cluster Administration. I implemented middleware to map scientific models to compute clusters using C++, Boost MPI. I wrote Python scripts to automate build testing and collecting performance stats for this middleware.		
<b>Technical Skills</b>	<i>Languages:</i>	C, C++ (STL,Boost), Python, Java, Javascript	
	<i>Databases:</i>	MySQL, PostgreSQL, DB2	
	<i>Operating Systems:</i>	Linux, Windows	
	<i>Application Server:</i>	Apache HTTP, TOMCAT	
	<i>Tools and IDE:</i>	gmake, gdb, FastCGI, LingPipe, Eclipse, Matlab	
<b>Research/ Projects</b>	<b>Improving PubMed search using Topic Models</b>	Python	
	I implemented the following search engine components in Python: Tokeniser, Stemmer, Topic based indexing and browsing system of medical publications in PubMed.		
	<b>Virtual World in HTML5</b>	Javascript, AJAX	
	I designed and implemented a game-like tool to define real world building maps. Rendering the given map in 3D for navigation and leaving post-it like tags using only HTML5 over http.		
	<b>Blind Man's Eye</b>	C++ - <i>Microsoft Imagine Cup</i>	
<b>Relevant Courses</b>	Undergrad Team of 3 project to build a text recognition system using camera on mobile devices, to help the blind people. I implemented the image processing components using C++ and openCV. Project was selected as one of <i>Top 12 projects from India in Microsoft Imagine Cup'2006</i> .		
	Database Management, Information Retrieval, Analysis of Algorithms, Machine Learning, Image Understanding, Multimedia Systems Design, Scientific Computing, Probablistic Learning.		