Arun Rathakrishnan

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Department of Computer Science
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About me Looking for a software developer position starting from January 2014. I am particularly interested in algorithms, problem solving and system software.

URL `http://www.cs.sunysb.edu/~arathakrishn/`

Education

M.S in Computer Science   Aug 2012 - Present
Stony Brook University
GPA: 3.5/4.0

B.E in Computer Science & Engineering   Jul 2006 - May 2010
Anna University, Madras Institute of Technology
GPA: 8.46/10.0

Experience Applications Developer, iNautix Technologies Limited   Jun 2010 - Jul 2012

Projects

Parallel Algorithms in Cilk++ model   Apr 2013
- Algorithms for finding connected components of a graph.
- An optimal implementation for level based Breadth First Search.

Stackable Encrypted File System   May 2013
- wrapfs based encrypted file system, where the file content is stored in a ext-3 based lower file system in an encrypted form, but users can mount it as a stackable file system and can work with plain text.
- Encryption/Decryption is performed on file data in page buffers.

Decision Tree Classifier   Nov 2012
- Construction of a decision tree for evaluating a person's credit worthiness based on labelled loan information data.
- The continuous valued attributes in the data were discretized into buckets of discrete values.

Vocabulary Builder   May 2011
- An application for improving and testing your vocabulary for GRE.
- Sessions can be recorded and the browsed words can be replayed.

Graduate Courses

Algorithms, Theory of Computation, System Security (current)
Operating Systems, Advanced Algorithms, Artificial Intelligence

Computer Skills

C, Java, Python, C++, Perl, Java Script
gdb, vim, Linux, Eclipse, git, LaTex, bash

Co-curricular Activities Member of teams that qualified for ACM ICPC Regionals in 2012 (Greater New York Region - 9th place) and 2008 (Asia - Kerala - 16th place).