

Ramana Kumar

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Education

MPhil ACS, University of Cambridge, 2010-11 (in progress)

Example modules: Categorical Logic, Topics in Logic and Complexity

Essay title: The Category of Containers

Cambridge Commonwealth Trust Scholarship; Premium Studentship (Faculty of Computer Science and Technology)

PhB, The Australian National University, 2006-2010

First Class Honours in Computer Science (*Mechanising Aspects of miniKanren in HOL*)

Six undergraduate research projects (each one semester long)

University Medal; Bachelor of Philosophy Scholarship; Boyapati First Year Computer Science and Mathematics Award

Exchange, Indiana University, 2008

Example courses: Programming Languages, Group Theory and Galois Theory Visualized

Associate Instructor for Programming Language Principles, Fall 2008

Summer Research on functional and logic programming

HSC, Canberra Grammar School, 2005

UAI: 99.65; School Medal; School Colours for Informatics

Publications

(Ramana Kumar and Tjark Weber. *Validating QBF Validity in HOL4*. Submitted to Interactive Theorem Proving 2011.)

Ramana Kumar and Michael Norrish. *(Nominal) Unification by Recursive Descent with Triangular Substitutions*. Interactive Theorem Proving (Proceedings) 2010, pp. 51–66.

William E. Byrd, Daniel P. Friedman, Joseph P. Near, and Ramana Kumar. *A Shallow Scheme Embedding of Bottom-Avoiding Streams*. Presented at the Symposium in Honor of Mitchell Wand, 2009. (Submitted to Higher-Order and Symbolic Computation for publication.)

Honours

Member of one of four Cambridge University teams at the Northwestern European Regional Contest for Computer Programming, Germany 2010

Selected as one of four representatives of Australia for the International Olympiad in Informatics, both in Poland 2005 and in Greece 2004

Selected participant: National Music Camp (Australia) 2006; Encore 2005 (showcasing musical compositions/performances at the Sydney Opera House); National Youth Science Forum (Australia) 2005; Harry Messel International Science School 2005

Last updated: March 30, 2011