

Curriculum Vitae

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Education

- **University of Nebraska-Lincoln** Lincoln, NE
PhD student, currently
- **University of Nebraska-Lincoln** Lincoln, NE
M.S., Computer Science (GPA 3.8), 2007
- **Chennai Mathematical Institute** Chennai, India
B.Sc, Mathematics and Computer Science (GPA 3.3), 2005
Major in Mathematics

Research Interests

- Computational Complexity Theory
- Graph Theory
- Algorithms and Combinatorics
- Quantum Computation

Honors and Awards

- Was awarded the Outstanding Master's Award by the Dept. of Computer Science and Engineering at University of Nebraska-Lincoln.

- One of the 30 students selected for the undergraduate program at Chennai Mathematical Institute through an entrance exam conducted all over India.
- Won several inter-school quiz contests and debate competitions as a high school student.

Publications

- **Directed Planar Reachability is in Unambiguous Logspace.** (Joint work with CHRIS BOURKE AND N. V. VINODCHANDRAN.) *In Proceedings of the 22nd Annual IEEE Conference on Computational Complexity, pages 217-221, 2007.*
- **On the Space Complexity of Directed Graph Reachability.** *Master's Thesis, University of Nebraska-Lincoln, May 2007.*

Teaching Experience

Teaching Assistant at the Department of Computer Science and Engg. at UNL

- Data Structures and Algorithms, CSE 310. (Fall 2007)
Taught recitation which consisted mainly of discussing problems and conducting quizzes.
- Data Structures and Algorithms, JDE 283. (Fall 2007, Fall 2006, Fall 2005)
Mainly grading work.
- Design and Analysis of Algorithms, CSE 423/823. (Spring 2007, Spring 2006)
Job consisted of grading, preparing questions for homework and quizzes and preparing solutions.

Successfully qualified the Institute for International Teaching Assistants at UNL.

Skills

- C, C++, L^AT_EX, Haskell, MATLAB, Java.
- Unix, Mac OS X, MS-Windows.

References

1. Dr. Vinodchandran Variyam
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