

ABHIJEET MOHAPATRA

214 Pine Hill Ct, Apt 201 B
Stanford, CA 94305

abhijeet@stanford.edu
(650) 739-5074

EDUCATION

Stanford University (2008 Fall-current)
Phd. in Computer Sciences (1st year of program),
Advisor: Jennifer Widom

Indian Institute of Technology (IIT) Kharagpur, India (2004-2008)
B.Tech.(Hons.) Computer Science and Engineering,
Cumulative Grade Point Average: 9.53/10.0

FELLOWSHIP AND HONORS

- IIT Kharagpur J.C. Ghosh Memorial Award *2007*
- IIT Kharagpur Alumni (California Chapter) Award *2006*
- IIT Kharagpur Class of 1970 Alumni (US Association) Prize *2006*
- Indian Academy of Sciences Summer Fellowship *2006*

RESEARCH AND WORK EXPERIENCE

- **Stanford University, member of the Infolab**, *2008-present*. Currently working on the Trio Project (<http://infolab.stanford.edu/trio>).
- **Cornell University, intern of the Database Group**, *Summer 2007*. Worked on the Scalable Games Project (<http://www.cs.cornell.edu/bigreddata/games>) under the guidance of Johannes Gehrke, Alan Demers and Walker White.
 - Proposed a new architecture supporting decoupled threads in the game engine.
 - Proposed buffer management and log updation techniques for this new architecture.
 - Worked on new algorithms for collision avoidance in large crowd simulations.
- **KRAIG, IIT Kharagpur**, *2006-2007* Worked on the Automated Waiter Project as the Head of the Artificial Intelligence Team of KRAIG (Kharagpur Robotics and Artificial Intelligence Group)
- **IBM India Research Labs, New Delhi**, *Summer 2006*. Developed a formal model, under the guidance of Dr. R.K. Shyamasundar to handle continuous queries on complex event streams in the temporal logic framework of Lustre.

PUBLICATIONS

- Undergraduate Thesis on *Efficient Scheduling of Synchronous Data-Flow (SDF) Graphs* ensuring Fairness and Buffer Optimization under the guidance of Dr. P. P. Chakrabarti, I.I.T Kharagpur. *2008*
- Technical Report *Capturing safety properties of Stream queries in a temporal logic framework* submitted to the Indian Academy of Sciences, Bangalore. *2006*

SKILLS

C, C++, C#, Python, Java