Chandan Tankala

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CONTACT
INFORMATION

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RESEARCH
INTERESTS

Probability theory with applications to problems from theoretical computer science and statistical physics. Current focus areas include analysis of Markov chain mixing times and non-equilibrium statistical mechanics.

EDUCATION

University of Oregon, Eugene, Oregon, USA

Ph.D. Candidate, Mathematics

- Advisor: David A. Levin

Texas A&M University, College Station, TX, USA

M.S., Geophysics, 2012

National Institute of Technology, Kurukshetra, India

Bachelors of Technology, 2009

PROFESSIONAL
EXPERIENCE

British Petroleum, Houston, TX USA

Geophysicist   **2012 - 2015**
Worked on creating and implementing seismic imaging, signal processing algorithms which are broadly based on waveform inversion, wavelet transforms, stochastic optimization.

Intern, Geohazards team   **May - Aug, 2011**
Worked on 4D seismic data analysis to characterize potential hazards.

PAPERS ACCEPTED

- Fast mixing of a randomized shift-register Markov chain

COMPUTER SKILLS   Python,MATLAB,R