

Gobind Singh

CONTACT INFORMATION	BioEngineering Department University of Illinois at Chicago	web: ansatz.github.io e-mail: gobind2.singh@gmail.com
RESEARCH INTERESTS	Clinical Informatics- ensemble theory, bayesian methods Protein Folding- control theory, dynamical systems	
EDUCATION	University of Illinois at Chicago <i>MS Bioinformatics</i> Dec 2014 <ul style="list-style-type: none">Advisors: Dr Hui Lu, Dr Boaz Avitall University of Illinois <i>BSc Physiology</i> May 1998	
PUBLICATIONS PRESENTATIONS	“Reduction of Alert Fatigue with Decision Analysis Using Boosting Dynamics and Bayesian Methods”, <i>to submit</i> . “Data Mining and Clinical Alert Monitoring”, <i>UIC Research Forum, 2012</i> . “Using the Dynamics of Boosting in Clinical Informatics”, <i>UCLA MUCMD Conference 2012</i> .	
WORK EXPERIENCE	University of Illinois at Chicago <i>protein folding</i> : Hui Lu, PhD 2011-2012 <ul style="list-style-type: none">explored machine learning and control theorygenerated folding trajectories using analytic techniqueimplemented a dynamic spectral clustering algorithmseeking to improve secondary structure prediction <i>telehealth study</i> : Boaz Avitall MD, PhD 2007-2010 <ul style="list-style-type: none">hardware and server maintenancedeveloped boosting technique for improved alert detectionapplying bayesian model for decision analysis <i>teaching assistant</i> : Simon Alford, PhD 2006-2007 <ul style="list-style-type: none">biochemistryhour-long class for lecture and quizzesoffice hours for student question University of Chicago <i>lab technician</i> Sangram Sissodia, PhD 2001-2003 <ul style="list-style-type: none">Alzheimer’s researchgenotyping mouse colony; database maintenance <i>lab technician</i> Francis McMahon, MD 2000-2001 <ul style="list-style-type: none">bipolar disease researchstatistical analysis, linkage disequilibrium	
PROGRAMMING	javascript, python, R/bioconductor, linux	