

# Rishi Chandy

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<http://ugcs.caltech.edu/~rchandy/>

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## EDUCATION

### Carnegie Mellon University

Expected 2017

*PhD: Machine Learning*

### California Institute of Technology

June 2011

*BS: Computer Science*

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## RESEARCH

Research Interests: information networks, web data mining, large-scale machine learning, privacy in data mining

### "Bayesian Inference for the Community Seismic Network"

Summer 2010 – 2011

*Mentors: Professors K. Mani Chandy & Andreas Krause*

*Arthur R. Adams SURF Fellow*

- Implemented API for Google App Engine datastore access and distributed client parameter updates
- Developed framework for evaluating earthquake detection techniques

### "Community Seismic Network for Earthquake Early Warning"

Spring 2009 – 2010

*Mentors: Professors K. Mani Chandy & Robert Clayton*

*Rita A. and Øistein Skjellum SURF Fellow*

- Developed main server applications for the distributed system
- Designed and implemented web interface for displaying ground motion data
- Speaker at Southern California Conference for Undergraduate Research (2009)
- Speaker for CS9: Introduction to Computer Science Research (2009)
- Poster and system demonstration at Southern California Smart Grid Symposium (2009)

### "Wikiganda: Identifying Propaganda Through Text Analysis"

Summer 2008

*Mentors: Professor K. Mani Chandy & Virgil Griffith*

*Richter Memorial Scholar*

*www.wikiwatcher.com*

- Designed and developed text analysis algorithms for automated detection of propaganda
- Developed web interface for Wikiganda
- Presenter at Caltech Information Science and Technology Student Day (2009)

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## PUBLICATIONS

- Faulkner, M., Olson, M., **Chandy, R.**, Krause, J., Chandy, M., Krause, A. (2011). The next big one: Detecting earthquakes and other rare events from community-based sensors. *ACM/IEEE International Conference on Information Processing in Sensor Networks, IPSN 2011.*
- **Chandy, R.**, Obenshain, D., Rosenberg, D., Tang, A. (2010). Community Seismic Network. *Caltech Undergraduate Research Journal.*
- **Chandy, R.** (2009). Wikiganda: Identifying Propaganda Through Text Analysis. *Caltech Undergraduate Research Journal*, volume 9.

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## AWARDS

- Caltech Upper Class Merit Scholarship
- ARCS Foundation Scholar (2010 and 2011)
- 2009 Doris S. Perpall Speaking Competition Semifinalist
- Best poster at Caltech Information Science and Technology Student Day 2009

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## TECHNICAL SKILLS

Java, XHTML, PHP, Matlab, MySQL, Javascript