

## Eva Sharma

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### RESEARCH INTERESTS

My research interests are in the area of computational social sciences and I aim to leverage computational methods and resources in order to understand and reason about complex social processes underlying human behavior in large-scale online social systems.

**Topics:** *Social Computing, Computational Social Science, Large-Scale Data Analysis, Online Communities, Online Social Support*

### EDUCATION

**Georgia Institute Of Technology, Atlanta, GA** **Aug 2016 - Present**  
Doctor of Philosophy, Advisor: Munmun De Choudhury **GPA 4.0 / 4.0**  
Computer Science.

**Cornell University, Ithaca, NY** **Aug 2014 - May 2015**  
Masters of Engineering, **GPA 3.9 / 4.0**  
Computer Science.

**Massachusetts Institute of Technology, Cambridge, MA** **Aug 2011 - Jan 2012**  
Bachelors of Technology (Semester Abroad Program), **GPA 5.0 / 5.0**  
Electrical Engineering and Computer Science.

**SRM University, Chennai, TN, India** **July 2009 - May 2013**  
Bachelors of Technology, **GPA 9.9 / 10.0**  
Computer Science (**Gold Medalist**).

### PUBLICATIONS

**Analyzing Ideological discourse on Social Media: A Case Study of the Abortion Debate** **2017**  
Submitted to ICWSM 2017.  
Eva Sharma, Koustuv Saha, Sindhu Kiranmai Ernala, Sucheta Ghoshal, Munmun De Choudhury

### WORK EXPERIENCE

**Oracle, Cambridge, MA** **July 2015 - Aug 2016**  
Software Developer II  
• Implemented Multiple Payment and Address Book Module for Mobile Commerce iOS Application

**SAP Labs India Pvt. Ltd. Bangalore, India** **July 2013 - July 2014**  
Associate Developer

- Worked on Software Logistics Process Repository for Lifecycle Management of SAP Software
- Designed and implemented installation and update feature for HANA Application Lifecycle Management
- Co-Implemented delete and copy stack backend functionality for Cross Product Stack Editor

Intern **Feb. 2013 - June 2013**

- Analyzed Customer Profile Data in XML format by automating processing of XMLs and feeding them to HANA database where the data can be later visualized as graphs
- Built an interface which utilizes gestures and voice to interact with computers.

### TEACHING

**Cornell University, Ithaca, NY** **Spring 2015**  
Teaching Assistant  
Prof. Lucja Kot, CS 4320/5320 Introduction to Database System

## PROJECTS

### **Semantic Legal Information System's Legal Text Indexing Application**

**Jan. 2015 - May. 2015**

*Sara S. Frug, Legal Information Institute, Cornell University*

- Studied and experimented with Topic Modeling for CFR Corpus
- Used metadata from CFR and FR corpus to capture evolution of a topic over time
- Employed incremental modeling and phrase extraction using Mallet

### **Computing a statistical description of 3-D structure of nano-scale biological objects**

**Oct. 2014 - Dec. 2014**

*Prof. Peter Charles Doerschuk, Cornell University*

- Helped providing python conversion of MATLAB equivalent of fmincon, which solves nonlinear programming problems, fundamentally computing the location of the minimum value of a user-provided function
- Applied MATLAB version of the project to example problems to determine the input values for each of the project's functions and the returned values.
- Wrote unit test cases in python to perform extensive testing for the python version of the project

### **Sound Source Localization**

**Sep. 2011 - Dec. 2011**

*Massachusetts Institute of Technology*

*Prof. James R Glass, Spoken Language System Group, CSAIL*

- Studied various techniques being used for 2-D acoustic localization
- Implemented GCC-PHAT method to localize sound using two microphones - MATLAB

## ACHIEVEMENTS AND AWARDS

- Undergraduate **Gold Medalist**, Awarded by **The Prime Minister of India**, Mr. Narendra Modi
- Undergraduate **Toppers Scholarship, Perfect GPA of 10.0/10.0 Award** for 3<sup>rd</sup>, 6<sup>th</sup> and 8<sup>th</sup> semesters
- Undergraduate sponsorship for a **semester abroad at Massachusetts Institute of Technology, USA**

## EXTRA-CURRICULAR ACTIVITIES

- Presented poster on "Quantifying Well-Being Support to Assess Efficacy of Online Communities" in GVU Fall Research Showcase 2016, Georgia Institute of Technology.
- Presented poster on "Semantic Legal Information Systems Improving Access to Regulatory Information" in BOOM 2015 (BITS ON OUR MINDS), Cornell University.
- Volunteered for Product Innovation Day Event in SAP Labs, Bangalore.
- Participated in Hadoop Tech Talk conducted at Exebit 2012, IIT Madras.
- Participated in Ethical Hacking and Information Security Workshop by Kyrion Technologies.
- Organized Paper Presentation event held at Infoyez11, SRM University, Chennai.