

Eshwar Chandrasekharan

Computer Science Ph.D.
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Georgia Institute of Technology
School of Interactive Computing
Technology Square Research Building

Research Interests

My research aims to computationally model abusive online behavior to build tools that help counter it, with the goal of making the Internet a more welcoming place. Broadly, I am interested in the language used in Social Media: linguistic differences, similarities, and unique properties that extend across or are specific to online communities.

Topics: Social Computing, Data Science, Natural Language Processing, Machine Learning, Hate Speech and Abusive Behavior in Online Communities.

Education

- **Georgia Institute of Technology** Atlanta, GA
Ph.D. in Computer Science 2015 - Present
 - Specialization: Social Computing
 - Advisor: Dr. Eric Gilbert
- **Indian Institute of Technology Madras** Chennai, India
B.Tech & M.Tech in Computer Science 2010 - 2015
 - Specialization: Computer Science and Engineering
 - Advisor: Dr. Sutanu Chakraborti
 - Thesis: Footprints on Silicon: Explorations in Gathering Autobiographical Content

Publications

- **The Internet's Hidden Rules: An Empirical Study of Reddit Norm Violations at Micro, Meso, and Macro Scales**
CSCW 2018. [Acceptance rate: 27%]
 - Eshwar Chandrasekharan, Mattia Samory, Shagun Jhaver, Hunter Charvat, Amy Bruckman, Cliff Lampe, Jacob Eisenstein, Eric Gilbert
- **You Can't Stay Here: The Efficacy of Reddit's 2015 Ban Examined Through Hate Speech**
CSCW 2018. [Acceptance rate: 27%]
 - Eshwar Chandrasekharan, Umashanthi Pavalanathan, Anirudh Srinivasan, Adam Glynn, Jacob Eisenstein, Eric Gilbert
- **The Bag of Communities: Identifying Abusive Behavior Online with Preexisting Internet Data**
CHI 2017. [Acceptance rate: 25%]
 - Eshwar Chandrasekharan, Mattia Samory, Anirudh Srinivasan, Eric Gilbert
- **Situated Anonymity: Impacts of Anonymity, Ephemerality, and Hyper-Locality on Social Media Platforms**
CHI 2017. [Acceptance rate: 25%]
 - Ari Schlesinger, Eshwar Chandrasekharan, Christina Masden, Amy Bruckman, W Keith Edwards, Rebecca Grinter

- **Footprints on Silicon: Explorations in Gathering Autobiographical Content**
CICLing 2015 (IJCLA). [Acceptance rate: 34%]
 – Eshwar Chandrasekharan, Sutanu Chakraborti

Professional Experience

- **Health ML Intern - Engineering**

Twitter Inc.

May - Aug. 2018

- Examined the landscape of incoming abuse reports on Twitter in a large-scale, empirical manner, in order to quantify the notion of *report quality*.
- Identified the different types of abuse that are reported by users using a mixed-methods approach (computational and qualitative)
- Presented approaches to build new ML tools to detect and discourage different types of abuse on the platform, and training the existing internal tools in a more nuanced manner.
- Area of work: Machine Learning, Quantitative Research, Data Science

- **Data Science Intern**

BuzzFeed Inc.

May - Aug. 2017

- Developed a human-machine collaboration service which informs BuzzFeed's content distribution strategy on Facebook
- Built machine learning models to predict which BuzzFeed links would perform best on certain Facebook pages, and identify which pages to post on for the most content shares
- Area of work: Data Science, Machine Learning

- **Software Development Engineer (SDE) Intern**

Amazon Development Center (India) Pvt. Ltd., Bangalore

May - July. 2013

- Automated product Opinion summarization of Amazon Customer Reviews
- Creating original content for product web pages to improve Search Engine Optimization
- Area of work: Opinion Mining, Sentiment Analysis, Text Summarization

- **Software Engineer Intern**

Amadasoft India Pvt. Ltd., IITM Research Park, Chennai

May - July. 2012

- Developed algorithms for performing multi-precision arithmetic using Double Representation of Floating point numbers
- Area of work: Number Theory, Optimized Algorithms

Selected Press

- Kevin Roose. *Reddit Limits Noxious Content by Giving Trolls Fewer Places to Gather*, The New York Times (2017)
- Devin Coldewey. *Study finds Reddit's controversial ban of its most toxic subreddits actually worked*, TechCrunch (2017)
- David Mitchell. *New Georgia Tech Research May Help Combat Abusive Online Comments*, Georgia Tech News Center (2017)

Awards & Achievements

- School Topper, 10th Board Examination with total of 481/500 with 100% in Mathematics and 99% in Science; recipient of CBSE Merit certificate - awarded to 0.1% of successful candidates in Science and Mathematics.
- Recipient of National Talent Search Examination (NTSE) Scholarship, The National Council of Educational Research and Training (NCERT); awarded to the top 750 students in India.
- Winner, South East Asia Regional Computer Confederation (SEARCC) International Schools' Software Competition 2009 conducted by Computer Society of Sri Lanka, representing India at University of Colombo School of Computing, Colombo, Sri Lanka, 2009.
- First Prize in the National Finals of Young Talent Search in Computer Programming Contest 2009 conducted by the Computer Society of India, 2009.

Talks and Seminars

- **“Identifying Abusive Behavior Online with Preexisting Internet Data”** CHI 2017
Venue: Denver, CO May 2017
- **“Mining the Web to predict Future Events”** IIT Madras
Venue: Artificial Intelligence & Database Laboratory, IIT Madras July 2014

Teaching Experience

- **Social Computing** Georgia Institute of Technology
Teaching Assistant Aug. - Dec. 2015
– Graded assignments, led seminars and tutorials
- **Natural Language Processing** Indian Institute of Technology, Madras
Teaching Assistant Jul. - Nov. 2014
– Office hours, project mentoring, and evaluations

Programming Languages

- Python, Java, C, C++, x86 Assembly Programming Language, PROLOG, LISP, Scala