

ASHWIN RAJADESINGAN

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EDUCATION

University of Michigan - Ann Arbor, MI

PhD candidate, School of Information

Dissertation: *Designing Fun, Safe and Informative Cross-Partisan Interactions*

Committee: Ceren Budak (co-chair), Paul Resnick (co-chair), Brian Weeks and Chris Bail

Fall 2017 - Present

GPA: 4.0/4.0

Arizona State University - Tempe, AZ

MS in Computer Science

Specialization: Data Mining, Machine Learning

Thesis: *Sarcasm Detection on Twitter: A Behavioral Modeling Approach*

Advisor: Huan Liu

Fall 2014

GPA: 4.0/4.0

Vellore Institute of Technology - Vellore, India

Bachelors in Computer Science and Engineering

Thesis: *PhishAri: Automatic Realtime Phishing Detection on Twitter*

Advisor: Ponnurangam Kumaraguru

Spring 2012

GPA: 8.91/10

MAJOR AWARDS AND HONORS

2021, ICWSM Best Reviewer Award

2020, Facebook PhD Fellowship (Computational Social Science), 2 yr tuition and 42,000\$ stipend

2019, ICWSM Best Paper Award

2014, ASU President's Award for Innovation (Team Member: TweetTracker)

2012, APWG eCRS Best Paper Award

PUBLICATIONS

- **Ashwin Rajadesingan**, Carolyn Duran, Paul Resnick, and Ceren Budak. “*Walking Into a Fire Hoping You Don't Catch*”: *Strategies and Designs to Facilitate Cross-Partisan Online Discussions*” ACM Conference on Computer-Supported Cooperative Work and Social Computing. CSCW, 2021.
- **Ashwin Rajadesingan**, Ceren Budak, and Paul Resnick. “*Political Discussion is Abundant in Non-political Subreddits (and Less Toxic)*” International AAAI Conference on Web and Social Media. ICWSM, 2021.
- **Ashwin Rajadesingan**, Paul Resnick, and Ceren Budak. “*Quick, Community-Specific Learning: How Distinctive Toxicity Norms Are Maintained in Political Subreddits*” International AAAI Conference on Web and Social Media. ICWSM, 2020.
- **Ashwin Rajadesingan**, Anmol Panda, and Joyojeet Pal. “*Leader or Party?: Personalization in Twitter Political Campaigns during the 2019 Indian Elections*” International Conference on Social Media and Society. SMS, 2020.
- **[Best Paper Award] Ashwin Rajadesingan**, Ramaswami Mahalingam, and David Jurgens. “*Smart, responsible, and upper caste only: measuring caste attitudes through large-scale analysis of matrimonial profiles*” International AAAI Conference on Web and Social Media. ICWSM, 2019.
- **Ashwin Rajadesingan**, Reza Zafarani, and Huan Liu. “*Sarcasm detection on twitter: A behavioral modeling approach.*” Proceedings of the Eighth ACM International Conference on Web Search and Data Mining. WSDM, 2015.

- **Ashwin Rajadesingan**, and Huan Liu. “*Identifying users with opposing opinions in Twitter debates.*” International Conference on Social Computing, Behavioral Modeling, and Prediction. SBP, 2014.
- **[Best Paper Award]** Anupama Aggarwal, **Ashwin Rajadesingan**, and Ponnurangam Kumaraguru. “*PhishAri: Automatic realtime phishing detection on twitter.*” IEEE APWG eCrime Researchers Summit, 2012.
- **Ashwin Rajadesingan**, and Anand Mahendran. “*Comment spam classification in blogs through comment analysis and comment-blog post relationships.*” International Conference on Intelligent Text Processing and Computational Linguistics. CICLing, 2012.

WORKING PAPERS

- “*Reflection-based Training Improves Accuracy in Crowdsourced Content Analysis*” with Kelly Garrett (OSU), Ceren Budak, and Paul Resnick
- “*Automated Selection of Training Items for Crowdsourced Labeling*” with Kelly Garrett (OSU), Siqi Wu, Ceren Budak, and Paul Resnick
- “*Designing Empathy Games: Correcting Misconceptions about Opposing Partisans through Gameplay*” with Paul Resnick and Ceren Budak

INDUSTRY RESEARCH EXPERIENCE

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|---|-------------|
| Facebook Core Data Science, Menlo Park
<i>PhD Intern, Mentors: Annie Franco and Pablo Barberá</i> | Summer 2021 |
| Microsoft Research, Bangalore, India
<i>PhD Intern, Mentor: Joyojeet Pal</i> | Summer 2019 |

TEACHING EXPERIENCE

Graduate Student Instructor positions:
 2020 Winter, SI 664 - Building Interactive Applications
 2020 Summer, SIADS 511 - SQL and Databases
 2020 Summer, SIADS 516 - Big Data: Scalable Data Processing

PROFESSIONAL EXPERIENCE

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|---|----------------------------|
| Doximity, San Francisco CA
<i>Senior Data Scientist</i> | September 2014 - June 2017 |
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TALKS AND PRESENTATIONS

- “Political Discussion is Abundant in Non-political Subreddits (and Less Toxic)”
 - 2021, Politics and Computational Social Science conference (PaCSS)
 - 2021, International Conference on Computational Social Science (IC2S2)
 - 2021, Chicago Area Behavior Workshop led by James Druckman
- “Strategies and Designs for facilitating cross-partisan interactions”
 - 2020, Facebook, Core Data Science
- “How Distinctive Toxicity Norms Are Maintained in Political Subreddits”
 - 2020, Guest lecture, Course: Antisocial Computing at UIUC

- 2020, International Conference on Computational Social Science (IC2S2)
- 2020, Facebook, Core Data Science
- “Conducting Student-led Interdisciplinary Projects”
 - 2020, University of Michigan, Connecting Digital Scholarship
- “Studying Caste in Online Matrimonial profiles”
 - 2019, Indraprastha Institute of Information Technology, Delhi (IIIT-Delhi)
- “Personalization in Twitter Political Campaigns in India”
 - 2019, Jindal-University of Oregon Forum: Media Culture & Politics

MEDIA COVERAGE (SELECTED SOURCES)

- 2021, Michigan News, “[Bernie’s mittens to BLM: politics across online community groups](#)”
- 2020, Utah Public Radio, UnDisciplined - A science talk show where I opine about toxicity norms in Reddit political communities based on my 2020 ICWSM paper. (Episode: [Social Disorder](#))
- 2019, Times of India, “[Indian matrimonial sites show shift in attitude towards intercaste marriage](#)”
- 2019, Michigan News, “[Matrimonial website profiles show Indians more open to intercaste marriage](#)”

SERVICE

- Session chair, ICWSM, 2021
- Reviewer
 - ICWSM, 2018-2021
 - CSCW, 2019-2021
 - ACM Transactions on Social Computing, 2019
- 2019-present, Member - Political Communication Working Group
- 2020-2021, Doctoral Committee Representative at UMSI
- 2020, Student volunteer - ICWSM
- 2020, Mentor - Graduate Rackham International (GRIN) students Mentoring Program
- 2020, Mentor - UMSI Peer Mentoring Program
- 2019, Panelist - “Navigating Advisor Relationships”, a First Semester Experience panel
- 2019, Contributor - “Being Brown: South Asian Narratives of Brownness in South East Michigan” - an art exhibit showcased at the Hatcher Graduate Library, University of Michigan.
- 2018, Coordinator - Computational Social Science Reading Group at UMSI
- 2017, Community Partner Consultant - A2 DataDive

TECHNICAL SKILLS

Research: Data mining and machine learning algorithms, natural language processing, observational causal inference, multilevel modeling, experimental design
 Programming languages and tools: Python, R, PySpark, SQL

REFERENCES

Ceren Budak

Advisor

School of Information
University of Michigan
cbudak@umich.edu

Paul Resnick

Advisor

School of Information
University of Michigan
presnick@umich.edu

R. Kelly Garrett

School of Communication
Ohio State University
garrett.258@osu.edu