

SUKRIT VENKATAGIRI

Ph.D. Student in Computer Science, Virginia Tech

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EDUCATION

- 2017 – present **Virginia Tech**, Arlington, VA, USA
Ph.D. in Computer Science with a focus in HCI, 3.88 GPA
Committee: Kurt Luther (advisor), Steve Harrison, Tanushree Mitra, Chris North
Courses: Models & Theories of HCI, Usability Engineering, User Interface Design, Adv. Topics in HCI: Crowdsourcing, Quantitative Research Methods, Qualitative Research Methods, Ethics & Professionalism in Data Science, Information Security, Urban Computing
- 2013 – 2017 **PES University** (Electronic City), Bangalore, India
B.E. in Computer Science, First Class
Advisor: Snehanshu Saha

RESEARCH EXPERIENCE

- 2017 – present **Graduate Research Assistant**, Crowd Intelligence Lab
Virginia Tech, Arlington, VA, USA
Project: Developed and conducting mixed-methods evaluation of GroundTruth, an online tool that helps investigators find where a photo was taken anywhere in the world, with the help of crowd workers. Led to publications [J•2], [w•1], [c•4], [c•5].
Research Methods: crowdsourcing, survey design, semi-structured interviewing, transcribing, qualitative coding/thematic analysis, usability evaluation, think-aloud protocol, wireframing, prototyping, experiment design, statistical analysis, log analysis
Languages & Tools: HTML/CSS, JS/jQuery, Python, Django, Descript, Balsamiq, Qualtrics, Adobe Photoshop, Adobe Illustrator, Sketch, AWS MTurk API, R
Advisor: Kurt Luther
- 2015 – 2017 **Data Analysis Team Lead**, SciBase Project
PES University (Electronic City), Bangalore, India
Project: Analyzing citation networks to model a scientometric indicator (SNIP)
Research Methods: web scraping, network analysis, regression analysis, graph visualization
Languages: Python, R, HTML/CSS, D3.js
Advisors: B.S. Daya Sagar, Snehanshu Saha, Minita Mathew
- Summer 2016 **Undergraduate Research Intern**, Department of Statistics
University of Georgia, Athens, GA, USA
Languages: Python, R, MATLAB
Advisor: Abhyuday Mandal

HONORS & AWARDS

- 2018 Graduate Student Fellow, Misinformation Solutions Forum 2018, Rita Allen Foundation
2017 Graduate Teaching Assistantship (2 years, \$95,000), Virginia Tech
2017 Graduated First Class, PES Institute of Technology
2017 Outstanding Final Year Project (top 3 out of 47), PES University (Electronic City)
2014 Runner Up (2nd/87), inGenius Hackathon, ACM India & PES University (Electronic City)

TRAVEL GRANTS

VT Dept. of CS	CSCW 2019, CSCW 2018, CHI 2018
VT Center for HCI	CSCW 2019, CHI 2018
Other	HCI Consortium Travel Grant for HCIC Conference 2018: AI & HCI (~\$2,000)

PUBLICATIONS

Note: * indicates a student (co-)advised by Sukrit Venkatagiri.

Refereed Archival Journal Articles

- [J•2] **Sukrit Venkatagiri**, Jacob Thebault-Spieker, Rachel Kohler, John Purviance, Rifat Sabbir Mansur, Kurt Luther. GroundTruth: Augmenting Expert Image Geolocation with Crowdsourcing and Shared Representations. *Proceedings of the ACM on Human-Computer Interaction*, 3 (CSCW), 2019. To appear: *ACM Conference on Computer-Supported Cooperative Work & Social Computing (CSCW '19)*. (205/658 = 31.2% acceptance rate)
- [J•1] Gouri Ginde, Snehanshu Saha, Archana Mathur, **Sukrit Venkatagiri**, Sujith Vadakkepat, Anand Narasimhamurthy and B. S. Daya Sagar. ScientoBASE: A Framework and Model for Computing Scholastic Indicators of Non-local Influence of Journals via Native Data Acquisition Algorithms. *Scientometrics*, 108(3), 1479–1529. 2016. (impact factor: 2.77)

Refereed Archival Papers in Conference Proceedings

- [C•1] **Sukrit Venkatagiri** and Amy X. Zhang. Response to “Heuristics for the Online Curator”: Combating Misinformation by Improving Online Conversation. *Curbing the Spread of Misinformation: Insights, Innovations, and Interpretations from the Misinformation Solutions Forum*, Brian G. Southwell and Vanessa Boudewyns (Eds.). 9–10. RTI Press. Washington, D.C., USA. 2018. (invited submission)

Refereed Nonarchival Workshop Papers

- [w•1] **Sukrit Venkatagiri**, Jacob Thebault-Spieker, Aliza Camacho*, Kurt Luther. Localness and Urbanness in Geographic Crowd Work. *CSCW 2018 Workshop on Rural Computing: Beyond Access & Infrastructure*. Jersey City, NJ, USA. 2018.

Refereed Nonarchival Conference Papers (posters, extended abstracts, etc.)

- [c•7] **Sukrit Venkatagiri**, Jacob Thebault-Spieker, Sarwat Kazmi*, Efua Akonor*, Kurt Luther. It's QuizTime: A Study of Online Verification Practices on Twitter. *7th AAAI Conference on Human Computation and Crowdsourcing*. Stevenson, WA, USA. 2019.
- Jacob Thebault-Spieker, **Sukrit Venkatagiri**, David Mitchell*, Chris Hurt, Kurt Luther.
- [c•6] PairWise: Mitigating Political Bias in Crowdsourced Content Moderation. *7th AAAI Conference on Human Computation and Crowdsourcing*. Stevenson, WA, USA. 2019.
- [c•5] **Sukrit Venkatagiri**, Kurt Luther. Geolocating Images with Expert-Led Crowdsourcing and Shared Representations. *Algorithms That Make You Think, 4th Annual Virginia Tech Workshop on the Future of HCI*. Blacksburg, VA, USA. 2019.
- [c•4] **Sukrit Venkatagiri**, Jacob Thebault-Spieker, Kurt Luther. Verifying Truth from the Ground: Leveraging Human Strengths in the Image Geolocation Process. *Human-Computer Interaction Conference (HCIC 2018)*. Watsonville, CA, USA. 2018.
- [c•3] **Sukrit Venkatagiri**, Kurt Luther. The Absence of Racial Bias in Content Evaluation (on Amazon Mechanical Turk). *34th Annual Graduate School Assembly Research Symposium, Virginia Tech*. Blacksburg, VA, USA. 2018.

- [c-2] **Sukrit Venkatagiri**, Kurt Luther. The Absence of Racial Bias in Content Evaluation (on Amazon Mechanical Turk). *Designing Socio-Technical Systems of Truth, 3rd Annual Virginia Tech Workshop on the Future of HCI*. Blacksburg, VA, USA. 2018.
- [c-1] **Sukrit Venkatagiri**, Deepika Anna, Vimal Patel. A Graph Theoretical Analysis of Mentor-Mentee Relationships in Indian Classical Music. *PES University (Electronic City) Final Year Project Exhibition*. Bangalore, KA, India. 2017.

PROFESSIONAL SERVICE

- Conference Reviewing Note: † indicates one Outstanding Review recognition.
ACM CSCW: 2019†
ACM CHI: 2019†
- Conference Volunteering Student Volunteer Co-Chair, ACM CSCW 2020. *TBD*.
Student Volunteer, ACM CSCW 2019. Austin, TX, USA.
Student Volunteer, ACM CSCW 2018. Jersey City, NJ, USA.
Student Volunteer, ACM CHI 2018. Montréal, QC, Canada.
- Virginia Tech Student Panel Member, Alumni Advisory Board, Dept. of Computer Science, 2019
Volunteer, Algorithms That Make You Think, 4th VT Workshop on the Future of HCI, 2019
Volunteer, Department of Computer Science Recruiting Weekend, 2018
Volunteer, Socio-Technical Systems of Truth, 3rd VT Workshop on the Future of HCI, 2018
Reviewer, Graduate School Travel Fund Program, 2017
- PES University (Electronic City) Treasurer, ACM Student Chapter, 2016 – 2017
Organizing Committee Member, ACM Student Chapter, 2014 – 2016
Secretary, IEEE Student Branch, 2016 – 2017
Organizing Committee Member, IEEE Student Branch, 2014 – 2016
Speaker Curator, TEDxPESITBSC, 2014 – 2015
- Other Activities Graphic Designer, IEEE Bangalore Section, Bangalore, India, 2016 – 2017

TEACHING

- As Graduate Teaching Assistant at Virginia Tech:
Spring 2018 CS2505 Computer Organization I (undergraduate, 262 students)
Fall 2017 CS2506 Computer Organization II (undergraduate, 177 students)
- As Instructor at PES University (Electronic City), held informally after class:
Fall 2016 Introduction to Python (undergraduate, 50 students)
Spring 2015 Introduction to Processing and Arduino (undergraduate, 75 students, with Suryoday Basak)

ADVISING

- 2019 Sarwat Kazmi, B.S. Information Science & B.A. Government & Politics, University of Maryland
- NSF REU Intern, Virginia Tech, Summer 2019
Efua Akonor, B.S. Computer Science, Wellesley College & S.B. Computer Science, MIT
- NSF REU Intern, Virginia Tech, Summer 2019
David Mitchell, B.S. Computer Science, University of Illinois at Urbana-Champaign
- NSF REU Intern, Virginia Tech, Summer 2019
Daniel Ocheltree, B.S. Computer Science, Virginia Tech
- Now: Software Engineer, Capital One, 2019 – present
Puriwat Lahpong, B.S. Computer Science, Virginia Tech
- Now: Software Engineer, Northrop Grumman, 2019 – present
- 2018 Levi Shipley, B.S. Computer Science, Virginia Tech
- Now: Software Engineer, Capital One, 2018 – present

- Ben Hinkle, B.S. Computer Science, Virginia Tech,
- Now: *Software Engineer, Capital One, 2019 – present*
- [W·1] Aliza Camacho, B.A. Computer Science & B.A. Anthropology, Wellesley College
- Now: *Undergraduate Researcher, Space Enabled, MIT Media Lab, August 2018 – present*
- *NSF REU Intern, Virginia Tech, Summer 2018*
- [P·4] Anne Hoang, B.S. Computer Science, Virginia Tech
- Now: *Software Engineer, Ntrepid Corp., June 2018 – present*
- *Third Place, Faculty Choice Award, VTURCS Symposium 2018*
- 2015–2017 Ankush Arunkumar, B.E. Computer Science, PES University (Electronic City)
- Now: *Business Technology Analyst, Deloitte, 2019 – present*
- *Top 10/7531 (0.13%), Department of Defense Production 'Smart India Hackathon 2017'*
- Aditya Agarwal, B.E. Computer Science, PES University (Electronic City)
- Now: *Software Engineer at Endurance International Group, 2018 – present*