Rushi Shah

he/him/his ⊠ 2016rshah@gmail.com Site: rshah.org/

Education

- May 2024 Harvard Law School, J.D. (in progress)
- May 2021 Princeton University, M.A. Computer Science
- May 2020 University of Texas Austin, B.S. Computer Science & B.S. Mathematics (Turing Scholar)
- May 2016 Thomas Jefferson High School for Science and Technology (TJHSST)

Work Experience

2020 - Center for Information Technology Policy (CITP), Research Assistant, Princeton, NJ

- Present Leading ongoing research to quantitatively track pathways to far-right radicalization on the internet
 - Results will guide interventions for viral alt-right, white supremacist, and neo-Nazi extremist content
 - Collaboration with Mozilla allows analysis across multiple platforms (YouTube, Reddit, Parler, 4chan, etc.)
 - Responsible for every aspect of project: reviewing interdisplinary literature, designing research questions, drafting IRB documents, and implementing code for internet measurements

Summer UT Program Analysis Research Group (UToPiA), Research Assistant, Austin, TX

- 2019 Presented paper called "Synthesizing Database Programs for Schema Refactoring" (third author) at top-tier Programming Languages Design & Implementation (PLDI) conference
 - Implemented prototype tool in Java programming language for paper called "Data Migration using Datalog Program Synthesis" (second author) at top-tier Very Large DataBases (VLDB) conference

Spring CS 389L Automated Logical Reasoning, Teaching Assistant, Austin, TX

2019 • Graded proof-based weekly homeworks and exams & held office hours for 60 Master's and Ph.D. students

Summer Amazon, Software Engineering Intern, Tokyo, Japan

2018 • Elegantly reduced the task of tracking real-time, location-based purchase trends in Amazon order data to leverage an edge-detection algorithm (a traditional machine vision technique) and prototyped the service

Summer MITRE Corporation, Research Assistant, Washington DC

2014, 2015 • Worked on the FAA's Closed Runway Operations Prevention Device, which prevents plane crashes

• Adapted computational linguistics algorithms to call-sign identification task in over 25,000 transmissions and edited the strict language model based on air traffic controller's emerging speech patterns

Publications

- Jan. 2021 Defund the Police After the Jan. 6th Coup Attempt, Rushi Shah, The Daily Princetonian
- Sept. 2020 Data Migration using Datalog Program Synthesis, Yuepeng Wang, Rushi Shah, Abby Criswell, Rong Pan, Isil Dillig, Proceedings on Very Large DataBases (VLDB '20)
- March 2020 TX Felon Disenfranchisement Enables Institutional Racism, Rushi Shah, The Daily Texan
 - June 2019 Synthesizing Database Programs for Schema Refactoring, Yuepeng Wang, James Dong, Rushi Shah, Isil Dillig, Programming Languages Design & Implementation (PLDI '19)

Speaking Engagements

- Oct. 2020 Moderator, Tech & Society Reading Group, Matt Bernhard on Election Security
- Nov. 2018 Speaker, Math Directed Reading Symposium, "Gerrymandering Considered Harmful"
- Apr. 2018 Speaker, Turing Lightning Talks, "Voting! For fun & profit."

— Organizations

- 2020-2021 Princeton Students for Prison Education, Abolition, and Reform (SPEAR)
- 2017-2020 TX Votes (non-partisan civic engagement), STEM Committee Chairperson