Rushi Shah

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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 - Present — **Center for Information Technology Policy (CITP)**, *Research Assistant*, Princeton, NJ
- 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 2019 — **UT Program Analysis Research Group (UToPiA)**, *Research Assistant*, Austin, TX
- 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 2019 — **CS 389L Automated Logical Reasoning**, *Teaching Assistant*, Austin, TX
- Graded proof-based weekly homeworks and exams & held office hours for 60 Master's and Ph.D. students

Summer 2018 — **Amazon**, *Software Engineering Intern*, Tokyo, Japan
- 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 2014, 2015 — **MITRE Corporation**, *Research Assistant*, Washington DC
- 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**, <u>Rushi Shah</u>, *The Daily Princetonian*
Sept. 2020	**Data Migration using Datalog Program Synthesis**, Yuepeng Wang, <u>Rushi Shah</u>, Abby Criswell, Rong Pan, Isil Dillig, *Proceedings on Very Large DataBases (VLDB '20)*
March 2020	**TX Felon Disenfranchisement Enables Institutional Racism**, <u>Rushi Shah</u>, *The Daily Texan*
June 2019	**Synthesizing Database Programs for Schema Refactoring**, Yuepeng Wang, James Dong, <u>Rushi Shah</u>, 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*