

AKHIL JALAN

Email: akhiljalan@utexas.edu — **Website:** akhiljalan.github.io — **Citizenship:** United States

EDUCATION

University of Texas at Austin

Aug 2020 - May 2025 (Expected)

Ph.D. Computer Science

Advisor: Dana Moshkovitz

University of California, Berkeley

Aug 2015 - May 2019

B.A. Applied Mathematics, Highest Honors

GPA: 3.95/4.00

Advisor: Nikhil Srivastava

PUBLICATIONS

- **Near-Optimal Cayley Expanders for Abelian Groups**

Akhil Jalan, Dana Moshkovitz

41st IARCS Annual Conference on Foundations of Software Technology and Theoretical Computer Science (FSTTCS 2021).

LIPICS, 2021.

- **Too Many Fairness Metrics: Is There a Solution?**

Swati Gupta, **Akhil Jalan**, Gireeja Ranade, Helen Yang, Simon Zhuang.

4th Annual Workshop on Mechanism Design for Social Good (MD4SG).

ACM, 2020.

- **Some New Numeric Results Concerning the Witsenhausen Counterexample**

Vignesh Subramanian, Laura Brink, Nikunj Jain, Kailas Vodrahalli, **Akhil Jalan**, Nikhil Shinde, Anant Sahai.

2018 56th Annual Allerton Conference on Communication, Control, and Computing (Allerton).

IEEE, 2018.

PREPRINTS / MANUSCRIPTS

- **The Structure of the Sandpile Group**

Akhil Jalan

Bachelor's Thesis, UC Berkeley.

2019

TALKS

UT Austin Pseudorandomness Group

Oct 2021

Cornell Theory Seminar

May 2021

TEACHING

Logic in Computer Science and Artificial Intelligence, UT Austin

Fall 2020

SERVICE

Subreviewer

Computational Complexity Conference (CCC) 2022

Graduate Student Representative

Fall 2021

Graduate Representative Association of Computer Sciences

Austin, TX

Math Peer Advisor
UC Berkeley

Aug 2018 - May 2019
Berkeley, CA

WORK EXPERIENCE

VergeSense
Data Scientist

Mar 2020 - Aug 2020
San Francisco, CA

WeWork
Engineer, Research & Applied Sciences Team

Aug 2019 - Nov 2019
Palo Alto, CA