

# Ram Goenka

## Curriculum Vitae

 [ramgoenka.github.io](https://github.com/ramgoenka)  
 [LinkedIn](#)

### Research Interests

Statistical Learning, Markov Processes, Information Theory, Communication Theory, Digital and Statistical Signal Processing

### Education

Aug. 2025 – **M.S. Statistics, University of Pittsburgh**  
May 2027

Aug. 2021 – **B.S. Mathematics, B.S. Statistics, University of Illinois Urbana-Champaign**  
May 2025 Minor in Computer Science

### Research Experience

Aug. 2023 – **Undergraduate Research Assistant, [National Center for Supercomputing Applications](#)**  
May 2025 Mentor: Prof. Rebecca Lee Smith, University of Illinois Urbana-Champaign

Jun. 2024 – **Undergraduate Research Assistant, [Polymath Jr.](#)**  
Aug. 2024 Mentor: Prof. Alexandra Secoleanu, University of Nebraska-Lincoln

Aug. 2023 – **Undergraduate Research Assistant, [Illinois Risk Lab](#)**  
Dec. 2023 Mentor: Prof. Runhuan Feng & Dr. Peixin Liu, University of Illinois Urbana-Champaign

### Teaching Experience

Aug. 2022 – **Undergraduate Teaching Assistant, STAT 107: Data Science Discovery**  
May 2025 University of Illinois Urbana-Champaign

May 2022 – **Undergraduate Teaching Assistant, CS 124: Intro. to Computer Science I**  
May 2023 University of Illinois Urbana-Champaign

### Professional Experience

May 2024 – **Data Analytics Intern, Synchrony Financial**  
Aug. 2024

May 2023 – **Software Engineering Intern, COUNTRY Financial**  
Aug. 2023

Sept. 2022 – **Software Engineering Intern, National Center for Supercomputing Applications**  
Aug. 2023

### Selected Coursework

At UIUC:

- STAT 431: Applied Bayesian Analysis
- STAT 432: Basics of Statistical Learning
- STAT 433: Stochastic Processes
- MATH 442: Intro. to Partial Differential Equations
- MATH 447: Real Variables
- CS 441: Applied Machine Learning
- CS 498DDU: End-to-End Data Science