

Ram Goenka

Curriculum Vitae

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LinkedIn

Research Interests

Statistical Learning, Markov Processes, Information Theory, Digital & 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 Seceleanu, 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
Led Python labs (~ 30 students) aiding with statistical concepts, programming, and debugging

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 410: Statistics and Probability II
- STAT 426: Statistical Modeling II
- 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 357: Numerical Methods I
- CS 441: Applied Machine Learning
- CS 498DDU: End-to-End Data Science

At Pitt:

- ECE 2390: Image Processing and Computer Vision
- ECE 2671: Optimization Methods
- MATH 2301: Analysis 1 (Measure Theory)
- STAT 2630: Intermediate Probability (Calculus Based)