

TUE DO (U.S. CITIZEN)

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RESEARCH STATEMENT

I am working to realize a future with data dignity. I work on developing and analyzing mechanisms and algorithms that sustain healthy participation in future data markets.

EDUCATION

University of Illinois at Urbana-Champaign

M.S./Ph.D. in Electrical and Computer Engineering

August 2024 - Present

Concurrent GPA: 4.00/4.00

- Advisor: Varun Chandrasekaran, Research in ML Security & Privacy
- Relevant Courses: Information Theory, Introduction to Optimization, Random Processes, Real Analysis

University of Illinois at Urbana-Champaign

B.S. in Computer Science, B.S. in Mathematics (Dual Degree)

August 2020 - May 2024

GPA: 3.96/4.00

- Chancellor's Scholar, James Scholar, Dean's List, Highest Honors (CS), High Distinction (MATH)
- Relevant Courses: Machine Learning, Systems Programming, Computer Architecture, Algorithms, Database Systems, Natural Language Processing, Data Structures, Probability and Statistics, Methods of Applied Statistics

PUBLICATIONS

MemAttack: Efficiently Attacking Memorization Scores

with Varun Chandrasekaran and Daniel Alabi

Submitted to NeurIPS 2025

Creator Hearts: Investigating the Impact Positive Signals from YouTube Creators in Shaping Comment Section Behavior

with Frederick Choi, Charlotte Lambert, Vinay Koshy, Sowmya Pratipati, Eshwar Chandrasekaran

CHI 2025

EXPERIENCE

Teaching Assistant

Graduate

August 2024 - Present

Urbana-Champaign, IL

- ECE 374: Introduction to Algorithms | N. Kani (FA 2024), A. Umrawal (SP 2025)
- Lecturing and leadership responsibilities working with students and course assistants

Research & Development Intern

Sandia National Laboratory | Mentor: Michael DeAntonio

May 2023 - September 2023

Remote

- Juggled large team coding projects alongside personal research project
- Resolved memory leaks in large codebase
- Developed parsing code for new research file formats
- Conducted research survey in optical machine learning methods

Software Development Intern

PrairieLearn for Theoretical Computer Science

August 2022 - May 2023

Urbana-Champaign, IL

- Developed new features and designed new theoretical computer science problems and formats
- Weekly standup meetings and partner programming responsibilities
- Full-stack development; front-end HTML/CSS, back-end Python

MISC.

- Choreographed and directed traditional lion dance for Vietnamese Student Association at UIUC
- (Very) amateur music composer
- Native proficiency in English and Vietnamese

Last updated at 3/12/2025.