

TUE DO (U.S. CITIZEN)

tuedo2@illinois.edu | tuedo2.github.io

RESEARCH STATEMENT

I work on developing and analyzing randomized algorithms, specifically those that preserve privacy. I am currently interested in machine learning privacy research.

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: Deep Generative Models, 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

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

Course Assistant

Undergraduate

August 2022 - May 2024

Urbana-Champaign, IL

- CS/ECE 374: Introduction to Algorithms | T. Chan & R. Mehta (SP 2024), C. Chekuri (SP 2023), S. Har-Peled (FA 2022)

MISC.

- Choreographed and directed traditional lion dance for Vietnamese Student Association at UIUC
- Have placed 3rd or better in 2 hackathons
- Play volleyball at an amateur level
- (Very) amateur music composer
- Native proficiency in English and Vietnamese

Last updated at 2/10/2025.