

TUE DO

tuedo2@illinois.edu | tuedo2.github.io

RESEARCH STATEMENT

I work on mechanism and algorithm design in contexts of machine learning privacy. In my research I leverage both technical proficiency and mathematical ability from my background.

EDUCATION

University of Illinois at Urbana-Champaign August 2024 - Present
M.S./Ph.D in Electrical and Computer Engineering
• Advisor: Varun Chandrasekaran

University of Illinois at Urbana-Champaign August 2020 - May 2024
B.S. in Computer Science, B.S. in Mathematics (Dual Degree) GPA: 3.96/4.00
• Chancellor's Scholar, James Scholar, Dean's List, Highest Honors (CS), High Distinction (MATH)

EXPERIENCE

Teaching Assistant August 2024 - Present
Graduate
• ECE 374: Introduction to Algorithms | N. Kani (FA 2024)
• Lecturing and leadership responsibilities working with students and course assistants

Research & Development Intern May 2023 - September 2023
Sandia National Laboratory | Mentor: Michael DeAntonio 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 August 2022 - May 2023
PrairieLearn for Theoretical Computer Science 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 August 2022 - May 2024
Undergraduate 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
- Play volleyball at an amateur level
- (Very) amateur music composer
- Native proficiency in English and Vietnamese

Last updated at 11/13/2024.