

# TUE DO

tuedo2@illinois.edu | tuedo2.github.io

## RESEARCH STATEMENT

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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

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**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

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**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

**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.

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- 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.*