TUE DO (U.S. CITIZEN)

tuedo2@illinois.edu | tuedo2.github.io

Technical Skills

Python, C/C++, Git, Jupyter, PyTorch, Linux, Microsoft Office, SQL, Database Systems, Systems Programming, JavaScript, HTML/CSS, Java, Data Science, Machine Learning/AI, Optimization, Probability & Statistics, Linear Algebra, OOP

Education

University of Illinois at Urbana-Champaign   August 2024 - May 2026
M.S./Ph.D in Electrical and Computer Engineering   *Concurrent GPA: 4.00/4.00*
- Advisor: Varun Chandrasekaran, Thesis Research in ML Security and Data Valuation
- Relevant Courses: Information Theory, Introduction to Optimization, Random Processes

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)
- 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   August 2024 - Present
UIUC ECE Department   *Urbana-Champaign, IL*
- Writing and designing course material for cornerstone algorithm algorithm theory course
- Lecturing to audience of 30+ students

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

Relevant Projects

- In-vs.-out-distribution in-context-learning experiment on deep transformer models
- Chrome Web Extension leveraging NLP to generate relevant news articles to Twitter threads
- Database management of large database of YouTube comments to parse for HCI Research

Misc.

- 3rd in UIUC Freshman Math Contest
- Choreographed and directed traditional lion dance for Vietnamese Student Association at UIUC
- Have placed 3rd or better in 2 team hackathons/datathons as a solo entry
- Play volleyball at an amateur level

Last updated at 3/06/2025.