Nicholas Wong

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EDUCATION

University of Illinois Urbana - Champaign, College of Liberal Arts and Sciences Expected Graduation: May 2025
Bachelor of Science in Statistics GPA: 3.41/4.00
Academic Achievements: Dean's List (Spring 2022, Fall 2023)
Relevant Coursework: Data Management in the Cloud, Ethics and Policy for Data Science, Modeling and Learning in Data Science

TECHNICAL SKILLS

Programming Languages: C++, Java, Python, R, Rust, SAS, SQL

RESEARCH EXPERIENCE

Illinois Mathematics Lab January 2025 - Present
Member
- Collaborating with Professor Igor Mineyev and a team of 7 (5 undergraduates, 2 graduates) to enhance the ColorTaiko! game functionality
- Optimizing browser performance and integrating multilevel designs tied to Kaplansky conjectures

Blackwell Summer Scholars Program June 2024 – August 2024
Scholar
- Conducted a research project with an undergraduate on Zillow Housing Cost Prediction under the guidance of Professor Hyoeun Lee
- Applied Data Science, Mathematics, and Statistics to advance knowledge in housing cost prediction

WORK EXPERIENCE

Statistical Computing – STAT 428 January 2025 – Present
Course Assistant
- Evaluating exams and biweekly homework for 60 students on Gradescope, grading half of the submissions
- Coordinating with the TA to ensure consistent, rubric-based grading

Statistical Modeling I – STAT 425 August 2023 – Present
Course Assistant
- Grading 12 weekly assignments and 2 exams for accuracy and adherence to rubrics
- Proctoring exams and moderating discussion forums to address student inquiries

Discrete Structures – CS 173 January 2025 – Present
Course Assistant
- Facilitating group work during classes
- Provide patient, tailored tutoring during office hours for students needing additional support

Statistical Programming Methods – STAT 385 August 2024 – December 2024
Course Assistant
- Oversaw proctoring of 2 virtual exams, including conflict/makeups
- Graded final projects focusing on Shiny app development

Advanced Data Analysis – STAT 448 January 2024 – May 2024
Course Assistant
- Assessed 7 homework assignments and quizzes, ensuring timely feedback
- Actively participated in online discussions to address students' questions and track their participation

Basics of Statistical Learning – STAT 432 January 2024 – May 2024
Course Assistant
- Graded 10 homework assignments and a final project; supported proctoring for 2 quizzes
- Engaged in Canvas discussions to clarify concepts for students

Applied Technologies for Learning in the Arts and Sciences - ATLAS August 2023 – May 2024
AI Research Intern
- Developed a full-stack web application using OpenAI's ChatGPT 3.5 to generate 3 "spotlight" paragraphs per query
- Fine-tuned a large language model with LLaMA's open-source platform which leveraged 1,000+ real and synthetic datasets

Data Science Discovery – STAT 107 August 2022 – December 2022
Course Assistant
- Supported weekly lab sessions for around 600 students, drafted lab solutions and assisted during office hours
- Provided additional exam-week support to enhance student understanding