

Ross Kimme

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EDUCATION

University of Illinois Urbana-Champaign

B.S. in Information Sciences + Data Science; GPA: 3.97, Major GPA: 4.0

Champaign, IL

Expected May 2029

EXPERIENCE

Undergraduate Research Assistant, Computational Social Science

June 2026 – Present

University of Illinois Urbana-Champaign

Champaign, IL

- Applied computational social science methods to analyze public sentiment on AI and mental health using the Reddit API
- Gained experience with data collection pipelines and sentiment analysis techniques on real-world, unstructured text data

Lifeguard and Swim Instructor

May 2023 – August 2025

Indian Acres Swim Club

Champaign, IL

- Supervised facility safety for 100+ daily patrons and taught swim lessons to ages 3-13

PROJECTS

Data Science Analysis | *Python, Pandas, Scikit-learn, GeoPandas*

August 2025 – May 2026

- Built a deportation risk classifier using ICE FOIA data to predict outcomes and interpret detention decisions, designed for nonprofit legal resource allocation
- Analyzed 600+ polls from the 2024 election using confidence intervals and sampling distributions, identifying discrepancies between polling predictions and actual results
- Explored NYC census tract demographics using geospatial analysis in GeoPandas to identify geographic inequality patterns
- Predicted World Happiness Index scores using economic and societal indicators, applying feature scaling to interpret variable importance

UIUC Course Explorer | *Python, Full-Stack Web Development*

March 2026 – Present

- Built a full-stack web app aggregating historical GPA data, live section status, and professor ratings into a unified platform for UIUC course planning
- Implemented optimal gen-ed combination finder using a backtracking set-cover algorithm and prerequisite tree visualization via recursive node traversal
- Added advanced filtering features including GPA sorting, prerequisite-free filtering, and histogram grade distributions not available on existing tools

Grade Inflation Dashboard | *Python, Pandas, Data Visualization*

July 2026

- Built an interactive dashboard exploring grade inflation trends at UIUC using historical grade distribution data

RELEVANT COURSEWORK

Intermediate Microeconomic Theory (ECON 302), Data Science Exploration (STAT 207), Data Science Discovery (STAT 107), Introduction to Computer Science I (CS 124), Mapping Inequalities (IS 145), Calculus II (MATH 231), Calculus III (MATH 241)

TECHNICAL SKILLS

Python, NumPy, SciPy, Scikit-learn, Pandas, Matplotlib, Seaborn, Git/GitHub, VS Code, Jupyter Notebooks, Technical Writing