

Dylan Bowman

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EDUCATION

University of Illinois at Urbana-Champaign

May 2024

B.S. in Mathematics and Computer Science, Statistics

Urbana, Illinois

- Club President of the Academic Buzzer Team; organized several high school and collegiate-level tournaments.
- Relevant Courses:
 - **Computer Science:** Data Visualization, Algorithms, Machine Learning, Databases
 - **Mathematics:** Fundamental Mathematics, Applied Linear Algebra, Differential Equations, Real Analysis
 - **Statistics:** Statistical Analysis, Statistics and Probability I & II, Statistical Modeling
- Programming Languages:
 - Proficient in Java, C++, Python, R, Javascript, C, Microsoft Excel

EXPERIENCE

Illinois Risk Lab

August 2022 – Present

Student Researcher

Urbana, Illinois

- Worked with a University of Illinois graduate student to analyze textual features of patents
- Used representation learning architectures for natural language processing

Amazon

May 2022 – August 2022

Software Development Engineer Intern

Seattle, Washington

- Created an internal read-only database migration tool serving over 300 datasets, potentially saving the team over \$100,000 per year in data hosting fees.
- Created an API to allow clients to make access calls to multiple database services.

Southeast-Midwest Housewrite Writing Team

May 2020 – June 2021

Director

Urbana, Illinois

- Led a team of 24 writers and editors to produce over 800 quiz bowl questions for the 2020-21 academic year.
- Negotiated a deal with the American Quiz Bowl League in which they purchased our questions for \$7000.
- Managed finances involving receiving payments from universities in 3 countries for a total of \$14,000.
- Wrote a Python script to scrape data from our scoresheets, which were used to inform changes made to subsequent versions of the questions.

Illinois Geometry Lab

June 2019 – July 2019

Assistant Researcher

Urbana, Illinois

- Aided a mathematics graduate student in linear algebra research (“Numerical Norm Estimates for Some Classes of Harper-Type Operators”).
- Wrote up reports in LaTeX.