

Colin Bertrand

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EDUCATION

University of Illinois Urbana-Champaign, Champaign, IL

August 2022 – Expected May 2026

BS in Data Science + Information Science, Minor in Computer Science

Dean's List – 3.65 GPA

Relevant Coursework: Modeling & Learning in Data Science, Programming for Info Problems, Linear Algebra in Data Science, Analytical Foundations for Information Problems, Concepts of Machine Learning, Human Computer Interaction

Palatine High School, Palatine, IL

August 2018 – May 2022

Awards: Illinois State Scholar, National Honor Society, American Legion Award, Music Department Senior of the Year

EXPERIENCE

Students Pushing Innovation Intern, *National Center for Supercomputing Applications*, Champaign, IL June 2024 – July 2024

- Researched the process of Exploratory Data Analysis (EDA)
- Worked with mentor discussing differences between genres of datasets and what analysis works best for them
- Created a Python tool which automated the process of EDA for clients and generated custom dataset reports
- Supplied Stanford Endocrinologists with reports on three Diabetes-related datasets for future analysis

Section Leader, *Marching Illini*, Champaign, IL

May 2022 - Present

- Tenor Drum Section Leader of the Marching Illini Drumline dedicating 18-20 weekly hours
- Social Media Manager for all Illini Drumline and Illini Tenor accounts—Instagram, Facebook, TikTok
- Social Coordinator for all Drumline events, and communicating with directors for extracurricular opportunities
- Merch Team Manager, designing and supplying merchandise for the Illini Drumline and public

Attendant, *Third Coast Paddling*, Douglas, MI

May 2023 – August 2023

- Independently operated a kayak and paddleboard rental site
- Required excellent customer service, CPR certification, and management decisions to generate strong revenue

Math Tutor, *Mathnasium*, Palatine, IL

August 2020 – August 2022

- Taught K-12th grade students specific math curriculum to improve skills and confidence
- Created academic plans based on student's goals and communicated progress with parents

SERVICE & VOLUNTEERING

Juvenile Diabetes Research Foundation, *Volunteer, Lobbyist*

- Attended multiple charity events and fundraisers and assisted in raising \$15M+ for research
- Lobbied U.S. Congress to renew annual diabetes research bill

American Diabetes Association, *Camp Counselor*

- Served as a camp counselor for groups of children in the summer
- Led diabetes focused activities to educate children on how to care for themselves or others with diabetes

SKILLS & EXTRACURRICULARS

- *Skills:* Python, Pandas, Machine Learning, SQL, Streamlit, GitHub, Copilot, Cursor, Generative AI, Microsoft, Excel, Java, C++, Tutoring, Calculus, Leadership, Teamwork
- *Interests:* 10+ Years of Percussion, Graphic Design, Social Media Manager, Music Composer, 3D Printing