

Samuel Kubata

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Professional Summary

Computer Science and Mathematics graduate with experience in data analysis, statistical modeling, and data visualization. Skilled in using Python, SQL, Excel, and reporting and business intelligence tools to analyze data, generate actionable insights, and support evidence-based business decision-making. Strong ability to communicate complex findings clearly to both technical and non-technical audiences.

Skills

Programming & Data Analysis: Python (pandas, NumPy, scikit-learn), SQL, R, C++, Excel

Data Visualization: Matplotlib, Seaborn

Tools: Jupyter Notebook, GitHub, HTML

Languages: English, Japanese, Kikongo

Relevant Projects

Ski Resort Pricing Analysis

Feb 2026 - May 2026

Data Analysis & Decision Support Project

- Conducted exploratory data analysis and predictive modeling using Python, pandas, and scikit-learn to identify factors influencing pricing and performance outcomes.
- Improved model performance through data preprocessing, feature selection, and cross-validation.
- Evaluated model outputs across multiple scenarios to identify cost-cutting opportunities and support data-driven business decisions using pandas, Matplotlib, and Seaborn.

Ternary Tree Analyzer

Apr 2024 - May 2024

Data Structure Analysis Project

- Designed and implemented a ternary tree to efficiently store and manage integer datasets.
- Developed algorithms for insertion, traversal, and computation of key data structure properties using C++.

Text Statistics Web App

Nov 2021 - Dec 2021

Website Creation Project

- Built a web application that analyzes user-provided text and calculates statistics including word and sentence counts.
- Developed an input form and results interface using Python and HTML.
- Implemented interactive controls allowing users to calculate results and reset the application.

Work Experience

UIC African American Academic Network

Chicago, IL

Academic Tutor

Sep 2021 - May 2023

- Conducted individual and group tutoring sessions for 20+ university students in Pre-Calculus, Calculus I, and Economics.
- Monitored student progress and provided individualized academic support to improve understanding and course performance.
- Led fellow tutors in recruiting and onboarding new tutors, helping expand the team and increase program capacity.

UIC Campus Housing

Chicago, IL

Office Aide

July 2022 - Aug 2022

- Supported implementation of new residential management software by collecting and organizing data from 100+ dorm rooms.
- Assisted with orientation planning for 150+ incoming students by preparing and distributing individualized welcome packets.

Education

University of Illinois Chicago (UIC)

Chicago, IL

Bachelor of Science in Mathematics and Computer Science

Aug 2019 - May 2025