Charles Batsaikhan

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EDUCATION

Macalester College, St. Paul, MN   **Bachelor of Arts, May 2025**
Major: **Statistics,** Minor: **Mathematics**   *GPA:* **3.60**
Honors: Macalester College Dean's List (Spring 2023)
Relevant Coursework: Statistical Modeling, Statistical Machine Learning, Intermediate Data Science, Database Management Systems, Computational Linear Algebra, Causal Inference, Probability.

TECHNICAL SKILLS

Programming Languages: R, Python, SQL, Java
Data Analysis Tools: Pandas, TensorFlow, NumPy, Tidyverse, Excel, Tableau, RShiny, PowerBI, ArcGIS Pro
Soft Skills: Client focused problem solving, efficient and effective team player, attention to detail, process improvement, project management

PROJECT EXPERIENCE

Opioid Epidemic - Intermediate Data Science
- Cleaned and processed large datasets using R (Tidyverse) for data-driven insights.
- Applied Random Forest models to identify key predictors of opioid overdose death.
- Created interactive dashboards and regional maps for trend exploration and spatial analysis.

Powerlifting Dataset - Statistical Machine Learning
- Analyzed powerlifting data using R to predict outcomes.
- Applied machine learning techniques such as LASSO and Logistic Regression.

WORK EXPERIENCE

Preceptor for Statistical Machine Learning, Macalester College   September 2024 - Present
- Assisted students in understanding statistical models such as LASSO, Logistic Regression, and Decision Trees.
- Graded homework and projects efficiently while providing constructive feedback.
- Led office hours to clarify statistical concepts, ensuring strong communication for students.

College Instructor, Math Corps, Macalester College   June 2024 - August 2024
- Developed and created lesson plans incorporating statistical and data science concepts.
- Trained high school teaching assistants in data collection and analysis methods
- Served as a positive role model, consistently displaying leadership and promoted collaboration among staff and students.

Preceptor for "Intro to Data Science" course, Macalester College   Jan 2024 - May 2024
- Teacher's assistant; graded students' homework and quizzes efficiently and accurately.
- Helped teach many students with no prior R coding experience while holding office hours.
- Taught students the importance of data importing, wrangling, and visualizing using ggplot and dplyr package of R.

Summer Intern-Accounting, Kokua Kalihi Valley-Health Center, Honolulu, HI   May - July 2022
- Entered journal entries on MIP Fund Accounting software.
- Improved skills in Excel by running monthly expense summaries.
- Created instructional PowerPoints for office equipment use.

EXTRACURRICULAR

Macalester Men's Swimming and Diving Team   Sep 2021 - Present
- Captain of the swim and dive team
- Nominated Team "MVP" as a first, second, and a third year.
- Won Gold, Silver, and Bronze in the Minnesota Intercollegiate Conference Championship.
- Twenty-time record holder in swimming for the history of Macalester College.