

Hermogenes David Rios

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EDUCATION

Macalester College | Saint Paul, MN

B.A. Degree Expected May 2027

Majors: Economics and Statistics

GPA: 3.93/4.00

Minor: French and Francophone Studies

Relevant Coursework: Linear Algebra, International Economics, Multivariable Calculus II, Intermediate Microeconomics.

In Progress: Econometrics, Machine Learning, and Intermediate Macroeconomics.

Honors & Awards: Kofi Annan & UWC Davis Scholar, Flemming Scholar, Macalester Dean's List (2023-2024)

Groups: Voices in STEM, Volleyball Club, QTBIPOC Climb, Macalester Adelante, First-Generation Students

University of Chicago | Chicago, IL

May 2024 - June 2024

Coursework: Advanced causal inference and econometrics, focusing on infrastructure development and energy policy

EXPERIENCE

American Statistical Association (ASA) | Saint Paul, MN

March 2025

Data Fest Competition Participant | "Best Visualization" Winner

- Analyzed, with 5-member team, commercial leasing trends using proprietary real estate data, identifying patterns in office space demand across 10 U.S. markets during pre- and post-pandemic recovery from 2018-2024
- Translated and merged complex datasets into visual dashboards (R/ggplot2), communicating findings to industry judges to advise businesses on optimal office locations and lease terms

Macalester College | Saint Paul, MN

Teaching Assistant, Introduction to Statistical Modeling

January 2025 - Present

- Assist 87 students in analyzing data, testing research hypotheses, and making predictions using R Studio

Academic Year Fundraiser

August 2023 - Present

- Lead team of 10 to engage 30,000 alumni, fostering connections and driving philanthropic initiatives
- Participate in fundraising campaigns, "Give to Macalester Days," resulting in a 25% increase in donor contributions

Harvard University T.H. Chan School of Public Health (CCDD) | Boston, MA

March 2025

13th Annual Mathematical Modeling and Public Health Workshop

- Explored infectious disease dynamics through SIR (Susceptible-Infected-Recovered) simulations using R Studio
- Analyzed outbreak scenarios, antimicrobial resistance, and forecasting techniques, integrating ML approaches

MacExplore NYC: Banking & Finance Trip | New York, NY

October 2024

Selected Finance Scholar

- Selected for a 3-day trip, among 14 students from a competitive applicant pool, to explore careers in banking
- Conducted site visits to TD Securities, Truist, Goldman Sachs, RBC, and Bloomberg
- Collaborated with alumni, and Managing Directors, to cultivate professional connections into career in finance

University of Chicago | Chicago, IL

May 2024 - June 2024

Becker Friedman Institute: Expanding Diversity in Economics (EDE) Summer Fellow

- Selected as one of 45 fellows from nearly 1,000 applicants (acceptance rate: 4.5%) for the EDE program
- Conducted econometrics research on the relationship between electricity access and human development

LEADERSHIP

VOICES in STEM - STEM Organization (Treasurer)

January 2024 - Present

- Founded Macalester's first SACNAS chapter, launching mentorship and research initiatives for 80+ underrepresented STEM students.
- Manage a \$4,500 budget, allocating resources strategically to fund STEM initiatives that support BIPOC students

SKILLS & INTERESTS

- Skills:* Python, R Studio, STATA (Proficient), MS Office, Google Suite (Advanced), Slate (Proficient)
- Languages:* Spanish (Native), English (Fluent), French (Fluent)
- Interests:* energy, quantitative research, development, finance, technology, skiing, and ice skating