Hermogenes David Rios

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EDUCATION

Macalester College | Saint Paul, MN   B.A. Expected May 2027
Majors: Economics and Statistics | *Minor:* French   GPA: 3.93/4.00
Relevant Coursework: Econometrics, Machine Learning, Linear Algebra, International Economics, Statistical Modeling
Honors & Awards: Kofi Annan & UWC Davis Scholar, Flemming Scholar, Macalester Dean's List (2023-2024)

University of Chicago | Chicago, IL   May 2024 - June 2024
Coursework: Advanced Causal Inference and Econometrics, with focus on infrastructure development and energy policy

EXPERIENCE

Analysis Group | Boston, MA   August 2025
Incoming Rise@AG Extern Starting
- Conduct targeted market and industry research, analyze data in Excel, and identify trends to provide strategic insights for decision-making during a mock case
- Participate in a series of professional skills workshops, enhancing knowledge of industry best practices
- Shadow Analysts and Senior Analysts to gain firsthand experience in case work and client interactions
- Selected as one of 28 externs at Analysis Group's Boston Office

Math Corps | St. Paul, MN   May 2025- July 2025
College Instructor
- Led math instruction and coding workshops in R and Python for a 10 middle school students and mentored 5 high school assistants, fostering collaboration and academic growth through daily structured planning
- Adapted lessons using formative feedback and integrated data visualization to build computational thinking
- Collaborated with staff in daily debriefs to assess program effectiveness, solve challenges, and implement data-informed improvements

American Statistical Association (ASA) | Saint Paul, MN   March 2025
Data Fest Winner for "Best Insight"
- Examined commercial leasing trends (2018–2024) across 10 U.S. markets using proprietary real estate data
- Merged census-level track datasets into visual dashboards in R, communicating findings to industry judges to advise businesses on optimal office locations and lease terms

PROJECTS

STATA - Econometrics Research: Intersecting Inequalities in the U.S. Labor Market   January 2025 - May 2025
- Utilized a Mincer Earnings Function with 4 fixed effects and conducted 4 Blinder-Oaxaca Decompositions on ACS 2012–2019 data (500k observations) to quantify labor market discrimination against immigrant women

R - Harvard University T.H. Chan School of Public Health (CCDD)   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

LEADERSHIP

VOICES in STEM - STEM Organization (Co-Founder)   January 2024 - Present
- Founded Macalester's first SACNAS chapter, launching mentorship 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)
- *Groups:* Voices in STEM, Volleyball Club, Climbing Group, Macalester Adelante, First-Generation Students
- *Languages*: Spanish (Native), English (Fluent), French (Fluent)
- *Interests*: rock climbing, skiing, hiking, ice skating, freediving, development, research, and zumba