

Nicholas Kruus

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Education

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| STEM School Highlands Ranch | August 2023 – May 2025 |
| – Unweighted GPA: 4.0 out of 4.0 Weighted GPA: 4.8 out of 5.0 | |
| – Coursework: AP Biology, AP US Government and Politics, AP European History, AP US History, French II, French III, AP English Language and Composition, AP English Literature and Composition, AP Physics 1, US Foreign Policy, AP Precalculus, and AP Statistics | |
| Arapahoe Community College | August 2023 – May 2025 |
| – GPA: 4.0 out of 4.0 (President's List) | |
| – Coursework: Calculus III, Differential Equations with Linear Algebra, Economics of Social Issues, Introduction to Programming (Python), Principles of Macroeconomics, and Principles of Microeconomics | |
| Harvard Summer School, Harvard University | June 2024 – August 2024 |
| – GPA: 4.0 out of 4.0 | |
| – Coursework: Programming with R | |
| Johns Hopkins Center for Talented Youth, Johns Hopkins University | July 2024 – August 2024 |
| – GPA: 4.0 out of 4.0 | |
| – Coursework: AP Calculus BC | |
| Armbræ Academy | February 2022 – June 2023 |
| – GPA: 4.0 out of 4.0 | |
| – Coursework: AP Computer Science Principles (Javascript), Adv. Math and Biology, History, English, and Science | |

Standardized Tests

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| ACT: 36 out of 36 | 2024 |
| – >99 percentile (36 out of 36) in all sections (English, Mathematics, Reading, and Science) | |
| SAT: 1590 out of 1600 | 2024 |
| – >99 percentile in both sections (Reading/Writing [790 out of 800] and Mathematics [800 out of 800]) | |
| AP: 5 out of 5 | 2023 – 2024 |
| – Top score in all AP exams taken (Biology, Computer Science Principles, English Language and Composition, Precalculus, and US Government and Politics) | |

Experience

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| Research Assistant/Collaborator, International Monetary Fund | May 2023 – Present |
| – Corrected over 1000 data points for a study on poverty alleviation in India | |
| – Initiated the development of a model for estimating greenhouse gas (GHG) emissions from solid waste | |
| – Worked on replicating Gómez-Sanabria et al. (2022), a GHG emissions paper in <i>Nature Communications</i> | |
| – Estimated GHG emissions from the solid waste sector of Cameroon | |
| – Drafting a report to advise World Bank emissions forecasts of 47 countries for the United Nations' annual Conference of the Parties (COP) using over 140 studies and confidential World Bank models | |
| Research Fellow, Non-Trivial | June 2024 – Present |
| – Selected among approximately 170 fellows from over 25,000 applicants (a roughly 0.67% admittance rate) | |
| – Participated in workshops on moral philosophy and optimizing careers for social good | |
| – Discussed and researched the world's most pressing problems | |

Research Associate, Schelling Research

June 2024 – Present

- Estimated parameters to model the environmental effects of the proposed "Street Votes" UK housing rules
- Co-authored a report intended for the UK government (soon to be published by UK Day One) recommending the use of partner approvals to scale up nuclear power more quickly and cheaply, saving an estimated £10 billion

Research Assistant/Collaborator, University of California San Diego

May 2023 – July 2024

- Collaborated with PhD candidates on studies addressing risks from AI, gender inequity in STEM fields, student mental health, low-resource education, and more
- Used R programming on large datasets for compilation, analysis, visualization, and correlation identification
- Designed a proposed randomized controlled trial (RCT), created surveys, wrote proposals, conducted literature reviews, and designed an implicit association test (IAT)

Informal Collaborator, Global Priorities Institute (University of Oxford)

January 2024 – April 2024

- Provided feedback on draft papers to two senior research fellows
- Co-authored summaries of working papers with eight authors, including senior research affiliates, postdoctoral research fellows, senior research fellows, and academic directors
 - Gathered over 7,000 views on the Effective Altruism Forum

Founder, Doing Good Now

July 2023 – March 2024

- Founded an online platform for exceptionally effective charities and volunteer opportunities
- Created and designed a streamlined website
- Conducted extensive research to inform the website's recommendations
- Expanded the subscriber base to include academics at institutions like Harvard University

Scholar, Yale Young Global Scholars (Yale University)

June 2023

- Attended the Solving Global Challenges (SGC) academic track
- Discussed pressing problems with Yale students and professors
- Delivered a talk about moral frameworks and the relative moral importance of different species
- Led a team research project on extreme poverty in Lesotho

Publications

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| – "Sectoral Emissions Forecasts" (with Radhika Goyal), World Bank | In Progress |
| – "Comparison of Human, AI-Assisted, and Quasi-Automated Approaches to Assessing Research Reproducibility in Quantitative Social Science" (with numerous co-authors), <i>Science</i> | In Review |
| – "Axiological Cluelessness," <i>Utilitas</i> | In Review |
| – "Boost UK Nuclear by Recognising Partner Approvals" (with Duncan McClements and Jason Hausenloy), UK Day One | Forthcoming |
| – "The Gender Gap in STEM at Top US Universities: Change Over Time and Relationship With Ranking" (with Idaliya Grigoryeva and Jennifer Kruus), <i>Journal of Emerging Investigators</i> 7, 1–10 | June 2024 |

Conferences

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| 28th Annual Meeting of the Philosophy and Religion Society of Thailand | December 2024 |
| – Paper for Presentation: "Axiological Cluelessness" | |
| Philosophy (Graduate/PhD) Students' Symposium 2024 | November 2024 |
| – Paper for Presentation: "Axiological Cluelessness" | |

Awards

Future Leader, CBS News	2024
– Requirements: Selection as one of the six most academically talented nominees	
Semi-Finalist, Undergraduate Ellison Scholars Programme	2024
– Requirements: A deep understanding of global challenges and demonstrated skills in innovation, research, leadership, tenacity, communication, and collaboration	
Winner, Emergent Ventures	2024
– Requirements: A project proposal with highly original, promising ideas for solving real-world challenges and a strong interview performance	
Merit Scholarship (Max. Size), Cambridge Centre for International Research	2024
– Requirements: A comprehensive application and interview focused on academics and research	
Semi-Finalist, National Merit Scholarship	2024
– Requirements: Placement among the top 16,000 PSAT/NMSQT test-takers out of over 1.3 million	
Recipient, National First-Generation Recognition	2024
– Requirements: Outstanding academic performance and parents who don't have a bachelor's degree	

Media Appearances

Profile, CBS News	January 2025
Interview, ABC Network	May 2024