

# Aidan Eichman

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## EDUCATION

- Columbia University** | New York, NY | *BA Computer Science and Applied Mathematics* Expected May 2025  
▪ Dean's List (All eligible semesters) GPA: 4.07  
▪ Relevant Coursework: Data Structures in Java, Adv. Programming in C, Adv. Linear Algebra, and Calculus IV  
▪ Current Project (Mentor: Dr. Brian Plancher): Optimized Rest Schedules for Basketball Players with Supervised ML
- Kalamazoo Area Math and Science Center** | Kalamazoo, MI | *High School Diploma* September 2017 – June 2021  
▪ Valedictorian (rank: 1/307), Director's Award Recipient (All A's for 8 semesters) GPA: 4.91  
▪ Relevant Coursework: Discrete Mathematics, Adv. Programming in Python, and AP Computer Science-A

## WORK & RESEARCH EXPERIENCE

- Inspirit AI** | Kalamazoo, MI | *Business Growth, Analytics, and Outreach Intern* June – September 2022  
▪ Promoted 8 AI courses and research offerings to 1,000+ prospective clients through cold phone calls  
▪ Generated 51 immediate new clients and obtained an 81% callback rate after the initial conversation  
▪ Mastered Excel PivotTable, vlookup, import range, SQL queries, and more to consolidate and organize data for analysis  
▪ Garnered the highest "positive" call rate of all interns (89%) and promptly resolved caller concerns
- Western Michigan University Research** | Kalamazoo, MI  
*AI Researcher* May 2022 – Present  
▪ Worked in the Transformative Interdisciplinary Human + AI Research Group to customize and refine modules  
▪ Designed the module "Singular Value Decomposition and Linear Algebra for Image Compression" for course curricula  
▪ Facilitated communication with 20 students and professors to garner and implement feedback
- Data Analyst* September 2019 – June 2021  
▪ Collaborated with university staff while collecting, analyzing, and presenting UK R-matrix software data  
▪ Learned and taught Linux software applications to run 1,000+ probabilistic simulations for exoplanet investigation  
▪ Wrote and presented weekly analytical reports to university staff
- Columbia University Baseball Team** | New York, NY | *Data Analyst* March – September 2022  
▪ Produced wOBA/xwOBA analyses in R and Python for coaches and players as a metric for hitting performance and trends  
▪ Navigated modern baseball technology like Rapsodo and TrackMan to gather and consolidate data
- CodeDay Labs/University of Washington** | Remote | *Software Engineering Intern* March 2020 – January 2021  
▪ Collaborated with university professors to develop and test components of 5 collegiate computer science courses  
▪ Implemented C++ source code syntax highlighting and structural code comparison for 11 programming languages  
▪ Led group debugging of approaches and algorithms, prepared reports for project mentors, and maintained SQL databases

## LEADERSHIP & COMMUNITY INVOLVEMENT

- Columbia Effective Altruism** | *AI Safety Fellow* September 2022 – Present  
▪ Attend and engage in weekly guest lectures and peer discussions about the impacts of AI on societal safety  
▪ Paired with an AI start-up leader to implement a project for social media AI oppression and racism
- Columbia Undergraduate Science Journal** | *Associate Editor/Outreach Chair* September 2022 – Present  
▪ Organizing a CUSJ x Crimson Education Science Fair for 50+ schools in the Bronx, Manhattan, and New Jersey  
▪ Facilitate weekly inter-committee meetings to analyze performance and forecast projects
- Columbia Science Review** | *Scientific Article Writer* September 2022 – Present  
▪ Write bi-weekly online and print articles covering recent developments in AI and technology across the world
- Columbia Big Sibs Community Impact** | *Co-director and Member* September 2021 – Present  
▪ Structure and oversee weekly "big-little" activities around NY  
▪ Discuss learning goals and problem areas for 23 "little sibs" in and out of school with teachers and parents
- KAMSC Computer Science Programming Team** | *Captain and Group Leader* September 2019 – June 2021  
▪ Co-organized 50+ practice contests and algorithm analysis sessions for classmates  
▪ Aided in pseudocode creation and complex debugging of USA Computing Olympiad Training Tasks  
▪ American Computer Science League International Classroom-Division Champion (1st out of 2,000+ students worldwide)

## TECHNICAL SKILLS & LANGUAGES

- Languages: Java, C++, C, Python, JavaScript, HTML, CSS, SQL, R
- Skills: Data Structures, Algorithms, Interfaces, OS, OOP Design, Microsoft Office, RStudio, Linux, Network Programming, Git