Aiden Sirotkine

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EDUCATION

University of Illinois at Urbana-Champaign, BS
Enrolled: August, 2023 — Expected Graduation: May 2026
Physics Major, Computational Physics Track, Computer Science Minor
GPA: 3.88

JOB EXPERIENCE

ChessMates: https://chessmatesfc.com/ — Fort Collins, Colorado
Teacher — October 2021 - August 2023

- Taught elementary chess clubs and grew students' passion for the chess.
- Organized and managed chess tournaments for k-12 students
- Guided students to win various awards throughout the Fort Collins area

PROJECTS

Prime Number Calculator — January 2023 - Active

- Implemented a variety of concepts in both computer science and number theory in order to find arbitrary amounts of prime numbers quickly.
- Written in Python, Java, C++, Julia
- Utilizes file reading/writing, file compression, multithreading, etc.
- Sieves over 50,000,000 prime numbers per second on 4 threads

Cloud Chamber — Fort Collins, CO

- Chamber of supercooled isopropyl alcohol
- visualizes radiation and various elementary particles through streaks of condensation.

VOLUNTEER WORK

Math Club — Fort Collins, Colorado
Founder, Organizer, Teacher — January 2022 – August 2023

- Started the Ridgeview Classical Schools Math Club from scratch
- Organized events and meetings. Created posters to advertise.
- Led team to top 10 finish in the Regional MathCounts Competition

SKILLS

- **Relevant Coursework:** Intro to Java, Intro to C++, Linear Algebra, Discrete Math, Differential Equations, Quantum Physics, Thermal Physics, Relativity
- **Programming:** Python, Java, Javascript, C++, Julia
- **Software:** LaTeX, Git, GitHub, Linux
- **Soft Skills:** Technical Communication for Laymen, Organization and Team Planning