

ALISTAIR PATTISON

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Education

B.A., Math and Computer Science

Expected graduation: Jun. 2024

Carleton College, Northfield, MN

- Advanced coursework: real analysis, abstract algebra, combinatorics, natural language processing, algorithms, and quantum computing.
- Honors: Dean's List (3.97 GPA); National Merit Scholarship.
- Digital Arts and Humanities minor.

Talented Youth Mathematics Program

Sept. 2016 - May 2020

University of Minnesota, Minneapolis, MN

- Selected for five-year progression of rigorous math courses at flagship state university.
- Studied vector calculus, linear algebra, differential equations, logic, and set theory with emphasis on self-study, mathematical writing, and small-group collaboration.

Work Experience

Grader

Mar. - Dec. 2021

Math Department, Carleton College, Northfield, MN

- Graded weekly homework assignments for Math Structures (Carleton's intro proofs class) and Calculus II.
- Created rubrics, enforced fair criteria, and gave helpful feedback for classes of around 16 students.

'The Food Guy'

Jun. - Aug. 2021

YMCA Camp Widjiwagan, Ely, MN

- Managed the purchase, inventory, and distribution of food for nearly 200 youth groups embarking on multi-week wilderness trips across the U.S. and Canada.
- Supervised up to six employees in fast-paced work environment and collaborated closely in a team of three to ensure that the needs of all outbound trail groups were met.
- Lead a seven-day canoeing trip with Boys Outdoor Leadership Development, a YMCA program geared towards making the outdoors more financially accessible and increasing its racial diversity.

Campus Involvement

Track & Field, Cross-country

Aug. 2020 - present

Carleton College, Northfield, MN

- Train year-round approximately 25 hours/week for Carleton's varsity track and cross-country teams.
- 2021 conference finalist at 800m; 2021 academic all-conference in cross-country and outdoor track.

Skills

Coding - Advanced Python user; proficient in Mathematica, Java, JavaScript, SQL, HTML, CSS, and L^AT_EX.

Data Visualization - Proficient in Tableau, various Python libraries, and D3.js.

Photography and Design - Adept photographer; proficient in TikZ and the Adobe product line.

Piano - 12-year student of Joplin, Mozart, et al.