

ALISTAIR PATTISON

pattisona@carleton.edu | (651) 706 6713

alistairpattison.com
github.com/alipatti
linkedin.com/in/alipatti

Education

B.A., Math and Computer Science

Expected graduation: Jun. 2024

Carleton College, Northfield, MN

- **Advanced math coursework:** real analysis, combinatorics, abstract algebra, linear algebra, vector calculus
- **Advanced CS coursework:** natural language processing, algorithms, quantum computing, cryptography
- 3.98 GPA (4.0 within majors); Dean's List; National Merit Scholarship; Digital Arts and Humanities minor

Skills and Qualifications

Languages: Python, Java, JavaScript, HTML, CSS, Mathematica, SQL

Technologies: git, SQL databases, object-oriented programming,

Work Experience

Teaching Assistant

Mar. 2021 - present

Carleton College

Northfield, MN

- Lead twice-a-week study sessions for groups of five to ten students.
- Facilitate discussion and answer questions during class.
- Grade homework in timely and consistent manner for classes of up to 34 students.
- **Classes:** Math Structures with Alex Barrios, Calculus II with Rob Thompson, and Algorithms with David Liben-Nowell.

The Food Guy

Jun. - Aug. 2021

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 and collaborated closely in a team of three to ensure that the needs of all outbound trail groups were met.
- Implemented systems to improve group efficiency and wrote simple scripts to automate repetitive and laborious tasks.
- 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.

Other Involvement

Varsity Athlete

Aug. 2020 - present

Cross-Country,

Track & Field

- Train and compete eight months out of the year for Carleton's varsity track and cross-country teams, including travel to Oregon and California to compete.
- 2021 conference finalist at 800m; 2021 academic all-conference in cross-country and outdoor track; 2022 indoor track all-conference 2nd team.

Projects

Chirple

(Python, Numpy, HTML, CSS, and JavaScript)

Get made fun of while you play wordle against a robot powered by information theory.

Six Subgraphs of Kevin Bacon

(Python, IGraph, and D3.js)

A web app to find and visualize the shared collaborators of Hollywood stars.

Carleton Course Recommender

Get class recommendations straight from a neural network!

(Python, SpaCy, and gensim)

Sudoku Solver

Impress your grandpa!

(Python, HTML, and CSS)

Professional Athlete's Birthplaces Data Visualization

Did you know that Florida has produced 13 NHL players?

(Python and D3.js)