

JACK DAI

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Education

Colby College, Waterville, ME, USA

Aug, 2025 – Present

B.A. Candidate in Mathematics and Computer Science (with Minor in Music), GPA 3.60/4.00 (First Semester) , Selected Courses: CS 231, MA 160, MA 262

Courses in Progress: CS 252, MA 253, EA 333

Work Experience

Camden Film Festival, Volunteer, Camden, ME, USA

Sep, 2025

China Daily, Features Reporter Intern, Beijing, China

Jun, 2025 – Jul, 2025

Fountain Valley School of Colorado, Media Team, Colorado Springs, CO, USA

Aug, 2022 – May, 2025

Dagro Chemical (Chengwu) Co., Ltd., Chemical Lab Intern, Chengwu, Shandong, China

Jun, 2022 – Aug, 2022, Jun, 2023 – Aug, 2023

Achievements

Dean's List

Aug, 2021 – May, 2025

AP Scholar Award

Apr, 2023 – May, 2025

USA Computing Olympiad Platinum Division Qualifier

Dec, 2023

Scholar, Yale Young Global Scholars

Jul, 2023

- Attended Yale Young Global Scholars in the Literature, Philosophy, & Culture (LPC) session.
- Engaged in two weeks of academic lectures and participated in various seminars on classical philosophy, minority culture, global architectural styles and music.
- Collaborated with peers to present a group research project, using spoken-word poetry as a creative exploration of literary techniques and romance in literature.

Skills

- Programming Languages: multilingual (not limited to any specific language), especially experienced in Java, Python, LaTeX, comfortable with C, C++, Mathematica, Go, Pascal (in random order).
- Java/Python: **6 years of experience**, familiar with NumPy for JupyterNotebook, basic to advanced algorithms, number theory and group theory for competitive coding.
- Tools: editor-agnostic, have experience with team tools like GitLab, GitHub, BitBucket, Slack, Overleaf and more.
- Office Tools: **3 years of experience**, familiar with Microsoft Office, Google Docs, and other office tools.

Misc

- Languages: bilingual in English, native in Mandarin Chinese

- Interests:

- Photography (2020–): Curated and exhibited multiple photo portfolios.
- Classical Music (2020–): Have been performing classical piano pieces at different venues (Liszt, Beethoven, Bach, Scriabin, etc.).
- Varsity Alpine Ski Team (2021-2023): Participated in competitive skiing, contributing to the team's achievements in various championships.
- Founder and Keyboard Player, Careless Youth Band (2021-2025): Founded and led the band, organizing rehearsals and performances, and composing original music.