

JACK DAI

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Education

Colby College, Waterville, ME, USA

Aug, 2025 – Present

Expected Graduation: May 2029

B.A. Candidate in Mathematics and Computer Science (with Minor in Music), GPA 3.6/4.0 (First Semester) , Selected Courses: CS 231, MA 262

Courses in Progress: CS 252, MA 253

Work Experience

Beowulf Sheehan, Waterville, ME, USA

Jan, 2026 – Present

Portrait Photography, Assistant Photographer

Camden Film Festival, Camden, ME, USA

Sep, 2025

Event Operations, Guest Services, Ticketing

China Daily, Beijing, China

Jun, 2025 – Jul, 2025

Cultural Journalism, Features Reporter, Videographer

Achievements

USA Computing Olympiad Platinum Division Qualifier

Dec, 2023

Skills

- Programming Languages: multilingual (not limited to any specific language), especially experienced in Java, LaTeX, comfortable with Python, C++, Mathematica, Go, HTML, JavaScript (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: **6 years of experience**, familiar with Microsoft Office, Google Docs, and other office tools.
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Misc

- Languages: bilingual in English, native in Mandarin Chinese

- Interests:

- Photography (2020–): Curated and exhibited multiple photo portfolios.
 - Piano Performance (2017–): Performed in recitals and at various venues, featuring works by Liszt, Beethoven, Bach, Scriabin, and others.
 - 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.
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Publications & Works in Progress

- [1] J. Dai, "The YMCA and the Development of Modern Sports in China," 2026.