DAISY LI

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EDUCATION

Dartmouth College, Hanover, NH · **June 2026**
Bachelor of Arts, intended Double Major in Computer Science and Linguistics · **GPA 3.96/4.0**
Relevant Coursework: Software Design and Implementation, Foundations of Applied Computer Science, Discrete Mathematics
Honors/Awards: Second Honor Group (top 15% of class)
Activities: Women in Science Project, SHEBA Dance Troupe

Lexington High School, Lexington, MA · **June 2022**
Honors/Awards: National Merit Semifinalist · **GPA 4.04**

Harvard Extension School, Cambridge, MA · **January 2021 – December 2021**
Relevant Coursework: Multivariable Calculus, Introduction to Medical Neuroscience

RELEVANT EXPERIENCE

LexiVault (SAVANT Project) · **June 2023 – Present**
Research Assistant
- Develop a set of open-access, ready-to-use computational tools for corpus analysis in low-resource languages to encourage research interest in such languages and advocate for the social benefits of comparative, cross-linguistic neurolinguistics
- Review relevant literature to identify and address limitations of existing computational tools in under-studied languages
- Evaluate feasibility of integrating existing corpus analysis tools by testing their performance on corpora in target languages

Alley-Oop · **June 2023 – Present**
Creator
- Webapp to assist students with enrolling in high-demand courses; sends text alert when desired course has availability
- Developed using RESTful API, PostgreSQL, Python, HTML/CSS, JavaScript, Bootstrap, Twilio, Selenium
- Improve course enrollment experience and academic planning; especially vital given Dartmouth's distinct D-Plan system
- Will begin pilot testing in the upcoming term to collect user feedback and inform marketing plan/future expansion to mobile

Department of Linguistics, Dartmouth College · **May 2023 – Present**
Research Assistant
- Investigate principles of linguistic change through gendered sociophonetics of a matrilineal society in China
- Annotate and code over 60 audio files using Praat, a speech analysis tool to aid statistical analysis of gendered features

Reading Brains Lab, Dartmouth College · **January 2023 – May 2023**
Women in Science Project Intern
- Investigated development of reading-related systems in children and college students using behavioral and event-related potential (ERP) techniques; collected and analyzed ERP data using Branvision and MATLAB technologies
- Conducted literature reviews; recruited participants; presented findings at annual Karen E. Wetterhahn symposium

LEADERSHIP

Discrete Mathematics, Dartmouth College · ***September 2023 – Present**
Teaching Assistant
- Guide students through weekly problem sets in office hours; grade weekly homework and midterm/final exams
- Liaison between students and professors by addressing problem areas at weekly staff meetings

Science Olympiad, Lexington High School, Lexington, MA · **July 2020 – June 2022**
Co-Captain
- Adopted intermediate leadership and group-based coaching, improving inter-team communication and club spirit
- Achieved highest level of competitive success in 12 years; tripled in size through new recruitment techniques

HOSA Future Health Professionals, Lexington High School, Lexington, MA · **July 2021 – June 2022**
Co-Founder and President
- Pioneered 3-day trip to International Leadership Conference in Nashville, TN
- Invited weekly guest speakers; oversaw member-run community service and leadership projects

SKILLS & CERTIFICATIONS

Computer: Java, C, Python, HTML, CSS, Linux, Windows
Certifications: Collaborative IRB Training Initiative (CITI): Responsible Code of Research (Exp. 6/1/26), Social/Behavioral Research (Exp. 6/1/26)
Languages: Proficient Mandarin, Conversational French