

ELIZABETH FREY

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EDUCATION

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| Dartmouth College , Hanover, NH | Jun 2024 |
| <i>Bachelor of Arts, Double Major in Computer Science and Neuroscience</i> | GPA 4.0/4.0 |
| <i>Relevant Coursework:</i> Object-Oriented Programming, Software Design and Implementation, Networks, Full-Stack Web Development, Machine Learning, Statistics, Discrete Math for Computer Science, Linear Algebra | |
| <i>Honors/Awards:</i> Rufus Choate Scholar (2020 – 2021) awarded to top 5% of class, Citation in Computer Networks | |
| Singapore American School , Singapore | May 2020 |
| <i>Honors/Awards:</i> PTA Senior Scholarship, Exemplary Service Award | GPA 4.6/4.0 |

RELEVANT EXPERIENCE

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| (Incoming Fall 2022) Hex Trust , Singapore | Sept 2022-Dec 2022 |
| <i>Quant Developer</i> <ul style="list-style-type: none">Working as a quant developer intern on Hex Trust's trading team | |
| Digital Applied Learning and Innovation Lab , Hanover, NH | Mar 2022-Present |
| <i>Software Developer</i> <ul style="list-style-type: none">Build a different mobile application, website, virtual and augmented reality, or digital installation using tools such as GitHub, ZenHub, ReactJs, Redux, and React-Native and the agile methodWork with a small team to implement, and deploy functioning app in 10 weeks (15-20 hours/week during school year) | |
| Computational and Cognitive Neuroscience Laboratory , Hanover, NH | Mar 2021-Jun 2022 |
| <i>Researcher and Software Developer under Alireza Soltani, Ph.D.</i> <ul style="list-style-type: none">Examined how attention plays a role in learning (10-12 hours/week during the school year)Utilized HTML/CSS, JavaScript, and cPanel to convert and optimize the online version of the experiment. Online version increased participant numbers by 350% (21 to 74). | |
| Department of Computer Science, Dartmouth College , Hanover, NH | Jan 2021-Nov 2021 |
| <i>Teaching assistant for Problem Solving via Object-Oriented Programming (Java)</i> <ul style="list-style-type: none">Gave feedback, graded assignments, and ran programming drills for group of 8-12 students, held debugging sessions and general office hours (12 hours/week during the school year)Developed termly debugging session curriculum to teach 200+ students to use IntelliJ's debugger | |

ADDITIONAL EXPERIENCE

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| DartUP, Magnuson Center for Entrepreneurship , Hanover, NH | Jan 2021-Present |
| <i>Cofounder and Vice President</i> <ul style="list-style-type: none">Co-lead team of 12 in creating social entrepreneurship challenge that focuses on the interdisciplinary aspect of start-upsAcquired \$4000+ in funding for 8 workshops in 2021-2022 with 100+ total participants | |

PROJECTS

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| Flourish (with DALI Lab) | Mar 2022-Jun 2022 |
| <i>Frontend App Developer</i> <ul style="list-style-type: none">A React-Native app that helps those with chronic illnesses monitor their symptoms, triggers, and medicationMitigated a critical vulnerability that affected 83% of users to improve user experience | |
| WellBuddies | Apr 2022 – Jun 2022 |
| <i>HackDartmouth 2022, Full Stack Web Development</i> <ul style="list-style-type: none">Received 2nd place Health and Wellness award for landing page using React, HTML, CSS, and FirebaseConverted into full stack mobile application using React Native, MongoDB, Node.js, Express.js for class final projectSupports account creation, persistent login, and custom mental health activity suggestions based on the weather | |
| Peer to Peer Dropbox | Nov 2022 |
| <i>Computer Networks Final</i> <ul style="list-style-type: none">Led team (scrum method) in leveraging Python for functional P2P Dropbox-like programImplemented threading, select, and sockets for simultaneous upload/download, and the UDP reliable transport layer | |

SKILLS & CERTIFICATIONS

Technical: Java, JavaScript, Python, React/React-Native, Node/Express, MongoDB, Git, HTML/CSS, Bash, Networking
Activities: Kappa Kappa Gamma Sorority, Women in Computer Science, HackDartmouth, Singapore Students Association