

# ELIZABETH FREY

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## EDUCATION

|   |                          |
|---|--------------------------|
| <b>Dartmouth College</b> , Hanover, NH  | <b>Jun 2024</b>          |
| <i>Bachelor of Arts, Double Major in Computer Science and Neuroscience</i>  | <b>GPA 4.0/4.0</b>       |
| <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 – 2022) awarded to top 5% of class, Citation in Networks and Full Stack Web Dev  |                          |
| <b>Tuck School of Business</b> , Hanover, NH  | <b>Nov 2021-Dec 2021</b> |
| <i>Tuck Business Bridge Program</i>   |                          |

## RELEVANT EXPERIENCE

|  |                           |
|--|---------------------------|
| <b>(Incoming Fall 2022) Hex Trust</b> , Singapore  | <b>Sept 2022-Dec 2022</b> |
| <i>Quant Developer</i> <ul style="list-style-type: none"><li>Working on Hex Trust's trading team. Achievements to be added.</li></ul>  |                           |
| <b>Digital Applied Learning and Innovation Lab</b> , Hanover, NH   | <b>Mar 2022-Present</b>   |
| <i>Software Developer</i> <ul style="list-style-type: none"><li>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 method</li><li>Work with a small team to implement, and deploy functioning app in 10 weeks (15-20 hours/week during school year)</li></ul>                            |                           |
| <b>Computational and Cognitive Neuroscience Laboratory</b> , Hanover, NH   | <b>Mar 2021-Jun 2022</b>  |
| <i>Researcher and Software Developer under Alireza Soltani, Ph.D.</i> <ul style="list-style-type: none"><li>Examined how attention plays a role in learning (10-12 hours/week during the school year)</li><li>Utilized <b>HTML/CSS</b>, <b>JavaScript</b>, and <b>cPanel</b> to convert and optimize the online version of the experiment. Online version increased participant numbers by 350% (21 to 74).</li></ul>          |                           |
| <b>Department of Computer Science, Dartmouth College</b> , Hanover, NH   | <b>Jan 2021-Nov 2021</b>  |
| <i>Teaching assistant for Problem Solving via Object-Oriented Programming (Java)</i> <ul style="list-style-type: none"><li>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)</li><li>Developed termly debugging session curriculum to teach 200+ students to use IntelliJ's debugger</li></ul> |                           |

## ADDITIONAL EXPERIENCE

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

## PROJECTS

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

## 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