# ELIZABETH FREY

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## EDUCATION

**Dartmouth College,** Hanover, NH — **Jun 2024**
*Bachelor of Arts, Computer Science Major, Neuroscience and Math Minors* — **GPA 4.0/4.0**
*Relevant Coursework:* Object-Oriented Programming, Software Design and Implementation, Networks, Full Stack Web Development, Machine Learning, Statistics, Discrete Math for Computer Science, Linear Algebra
*Honors/Awards:* Rufus Choate Scholar (2020 – 2022) awarded to top 5% of class, Citation in Networks and Full Stack Web Dev

**Tuck School of Business,** Hanover, NH — **Nov 2021-Dec 2021**
*Tuck Business Bridge Program*

## RELEVANT EXPERIENCE

**(Incoming Fall 2022) Hex Trust,** Singapore — **Sept 2022-Dec 2022**
*Quant Developer*
- Working on Hex Trust's trading team. Achievements to be added.

**Digital Applied Learning and Innovation Lab,** Hanover, NH — **Mar 2022-Present**
*Software Developer*
- 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
- Work 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**
*Researcher and Software Developer under Alireza Soltani, Ph.D.*
- 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**
*Teaching assistant for Problem Solving via Object-Oriented Programming (Java)*
- 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

**DartUP, Magnuson Center for Entrepreneurship**, Hanover, NH — **Jan 2021-Present**
*Cofounder and Vice President*
- Co-lead team of 12 in creating social entrepreneurship challenge that focuses on the interdisciplinary aspect of start-ups
- Acquired $4000+ in funding for 8 workshops in 2021-2022 with 100+ total participants

## PROJECTS

**Flourish** (with DALI Lab) — **Mar 2022-Jun 2022**
*Frontend App Developer*
- A **React-Native** app that helps those with chronic illnesses monitor their symptoms, triggers, and medication
- Mitigated a critical vulnerability that affected 83% of users onboarding to streamline user experience

**WellBuddies** — **Apr 2022-Jun 2022**
*HackDartmouth 2022, Full Stack Web Development*
- Received 2nd place Health and Wellness award for landing page using **React, HTML, CSS,** and **Firebase**
- Converted into full stack mobile application using **React Native, MongoDB, Node.js, Express.js** for class final project
- Supports account creation, persistent login, and custom mental health activity suggestions based on calendar availability

**Peer to Peer Dropbox** — **Nov 2022**
*Computer Networks Final*
- Led team (**scrum** method) in leveraging **Python** for functional **P2P** Dropbox-like program
- Implemented 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