ELIZABETH FREY

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EDUCATION

2020 – 2024	**DARTMOUTH COLLEGE**	Hanover, NH

Bachelor of Arts, Double Major in Computer Science and Neuroscience
- Rufus Choate Scholar (2020 – 2021) awarded to top 5% of class, 4.0/4.0 GPA
- Relevant Coursework: Problem Solving via Object-Oriented Programming, Software Design and Implementation, Computer Networks, Full Stack Web Development (*incoming*)

Winter 2021	**TUCK SCHOOL OF BUSINESS AT DARTMOUTH**	Hanover, NH

Tuck Business Bridge Program, a highly-selective 3-week program taught by MBA faculty

EXPERIENCE

2022 – Present	**DALI LAB**	Hanover, NH

Software Developer
- Design and build a different mobile application, website, virtual and augmented reality, or digital installation using collaborative tools such as Notion, React, GitHub, and Figma.

2021 – Present	**COMPUTATIONAL AND COGNITIVE NEUROSCIENCE LABORATORY**	Hanover, NH

(Funded by the National Science Foundation) Researcher under Alireza Soltani, PhD.
- Examined how attention plays a role in learning (10-12 hours/week during the school year)
- Used **HTML/CSS**, **JavaScript**, and **cPanel** to create the online version of the experiment and taught 2 Ph.D. students to navigate **GitHub** and **cPanel** for better collaboration
- Fit the subject's choices to relevant strategies using PTB-3 in **MATLAB** and regression

2021 – Present	**DartUP, MAGNUSON CENTER FOR ENTREPRENEURSHIP**	Hanover, NH

Cofounder, Vice President
- Lead team of six in creating social entrepreneurship competition that focuses on the interdisciplinary aspect of start-ups (hardware, software, marketing, finance, etc.)
- Acquired $4000+ in funding for 8 workshops in 2021-2022 with 100+ total participants

2021 – 2021	**DEPARTMENT OF COMPUTER SCIENCE, DARTMOUTH COLLEGE**	Hanover, NH

Teaching assistant for Problem Solving via. Object-Oriented Programming (Java)
- Gave feedback and graded assignments, ran programming drills for group of 8-12 students, held debugging sessions and general office hours (12 hours/week during the school year)

Summer 2019	**N.1 INSTITUTE FOR HEALTH**	Singapore, Singapore

Intern for National University of Singapore
- Research assistant for Curate.AI precision medicine program
- Leveraged **Python** to analyze symptoms, presented findings to dean of the institution

PROJECTS

Fall 2021	**PEER TO PEER DROPBOX**	Hanover, NH

Team Member in Computer Networks class project
- Led team (**scrum** method) in leveraging **Python** for functional **P2P** Dropbox-like program
- Implemented threading, select, and sockets for simultaneous upload and download
- Coded the UDP socket mini reliable transport layer (mrt_layer) used throughout this project
- Received citation for best undergraduate performance in the class

Winter 2022	**PERSONAL WEBSITE**	Singapore, Singapore

Created a website with my personal information
- Created and designed a website using **React, HTML/CSS/SCSS, JavaScript**

Winter 2021	**TINY SEARCH ENGINE**	Hanover, NH

Individual Lab Assignment for Software Design and Implementation
- A basic search engine in **C** that crawls web pages, indexes keywords, and takes queries

PERSONAL

- **Proficient**: Java, Python, Bash, C, Git, React, Linux, HTML/CSS with JavaScript, R, Computer Networking
- **Experienced**: APIs, MATLAB, Flutter, Dart, SQL, Make, PHP