

ELIZABETH FREY

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EDUCATION

2020 – 2024	DARTMOUTH COLLEGE <i>Bachelor of Arts, Major in Computer Science and Neuroscience</i> <ul style="list-style-type: none">▪ Rufus Choate Scholar (2020 – 2021) awarded to the top 5% of the class of 2024, 4.0/4.0 GPA▪ Relevant Coursework: Problem Solving via Object-Oriented Programming, Software Design and Implementation, Computer Networks (citation), Intro to Neuroscience, Discrete Math for Computer Science, Mini Web-Dev Course, Experimental Design and Methodology (Statistics)	Hanover, NH
Winter 2021	TUCK SCHOOL OF BUSINESS AT DARTMOUTH <i>Tuck Business Bridge Program, a highly-selective 3-week program taught by MBA faculty</i>	Hanover, NH

EXPERIENCE

2021 – Present	COMPUTATIONAL AND COGNITIVE NEUROSCIENCE LABORATORY <i>Researcher under Alireza Soltani, PhD. (Funded by the National Science Foundation)</i> <ul style="list-style-type: none">▪ Examined how attention plays a role in the different strategies people use to learn about high dimensional stimuli (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 PhD students to navigate GitHub and cPanel for better collaboration▪ Fit the subject's choices to relevant strategies using PTB-3 in MATLAB and rigorous regression—pilot experiment demonstrated a tendency to choose a feature-based strategy	Hanover, NH
2021 – 2021	DEPARTMENT OF COMPUTER SCIENCE, DARTMOUTH COLLEGE <i>Teaching assistant for Problem Solving via. Object Oriented Programming (Java)</i> <ul style="list-style-type: none">▪ Graded & gave feedback for assignments, ran drills for group of 8-12 students, held debugging sessions and general office hours (12 hours/week during the school year)	Hanover, NH
Summer 2019	N.I INSTITUTE FOR HEALTH <i>Intern for National University of Singapore</i> <ul style="list-style-type: none">▪ 1 of 5 high students chosen to work with their Curate.AI precision medicine program, a software designed to find the optimal dosage of medication for hypertension patients▪ Created Qualtrics questionnaire to minimize potential patient error, leveraged Python to analyze data from patient symptoms, presented findings to dean of the institution	Singapore, Singapore

PROJECTS

2020-Present	DARTUP, MAGNUSON CENTER FOR ENTREPRENEURSHIP <i>Vice President, Cofounder</i> <ul style="list-style-type: none">▪ Lead team of six in creating social entrepreneurship competition that focuses on the interdisciplinary aspect of start-ups (hardware, software in addition to business, finance)▪ Acquired \$4000+ in funding for 8 workshops throughout 2021-2022 school year with 15-20 participants each	Hanover, NH
Fall 2021	PEER TO PEER DROPBOX [*GOOGLE DRIVE FOLDER] <i>Team Member in Computer Networks class project</i> <ul style="list-style-type: none">▪ Led team (scrum method) in leveraging Python to create functional P2P Dropbox-like program▪ Implemented threading, select, and socket functionality 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	Hanover, NH
Winter 2021	RECYCLING APP [GITHUB] <i>Team Member in Cisco WebEx Virtual Hackathon submission</i> <ul style="list-style-type: none">▪ Created and designed an create an app using Flutter and Dart identifies recyclable and non-recyclable material	Singapore, Singapore
Winter 2021	TINY SEARCH ENGINE [*GOOGLE DRIVE FOLDER] <i>Individual Lab Assignment for Software Design and Implementation</i> <ul style="list-style-type: none">▪ Using specification documents, coded a tiny search engine in C that crawls a specified depth of web pages, indexes keywords, and takes queries	Hanover, NH

PERSONAL

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

*Because I am not allowed to put these on public GitHub repositories, please find other projects outside of my GitHub here:
<https://drive.google.com/drive/u/0/folders/1mGgkE9cAx5TdtYJ11A4kftEGn0yIVHGP>