

CAROLINE TORNQUIST

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EDUCATION

Dartmouth College , Hanover, NH <i>Bachelor of Arts, Major in Computer Science, Minor in Economics</i> Key Coursework: Software Design and Implementation, Full Stack Web Development, Object Oriented Programming, Foundations of Applied Computer Science, Discrete Mathematics in Computer Science, Econometrics Honors: Citation for academic excellence in Software Design and Implementation	June 2022 GPA 3.6/4.0
HB Woodlawn Secondary Program , Arlington, VA ACT: 36/36, SATII: Math II 800/800 Honors: National Merit Commended Scholar, National AP Scholar, 2018 Arlington Magazine Outstanding Teen	May 2018 GPA 4.4/4.0

TECHNICAL SKILLS

Languages: Java, C, HTML, CSS, MATLAB, JavaScript, Bash **Other:** React, Redux, Node, Express, SASS, Git

EXPERIENCE

Medius Research , Hanover, NH <i>Lead Engineer (Full Stack) and Product Manager</i>	August 2020-Present
<ul style="list-style-type: none">Managing a team of five engineers to build the MVP, a crowdsourced investment social media site that uses the MERN stack, to be presented before investors in late 2020Spearheaded creation and styling of landing, community and profile pages to improve user experienceConnected and updated the API's endpoints to get stock price changes and allow for multiple types of users and posts	
Dartmouth Dept. of Computer Science , Hanover, NH <i>Computer Science Research Assistant, Security and AI Lab</i>	June 2020-Present
<ul style="list-style-type: none">Using machine learning tools including logistic regression and support vector machines to build predictive models of Chinese border incursions into India and the South China SeaCoding association rules using RapidMiner and Pandas to accurately determine the "triggers" that precede incursions	
US House of Representatives Committee on Science, Space and Technology , Washington, DC	June 2019-August 2019
<i>Policy Intern</i>	
<ul style="list-style-type: none">Conducted research and wrote recommendation briefs for bills on space exploration, disaster relief and climate changeAuthored letters to FCC Chair Ajit Pai regarding 24GHz spectrum auction and its impacts on NOAA weather sensingComposed questions asked by Members of Congress at hearings on artificial intelligence and National Lab funding	

PROJECTS

SubLit , React/Redux, Node/Express, MongoDB	July 2020-August 2020
<ul style="list-style-type: none">Collaborated to design and engineer a web app that connects students with leases to people trying to sublet for a termImplemented an API that supports CRUD operations, user authentication and instant messaging between usersDeveloped "feed" page on frontend allowing users to view listings on a map and filter by various identifiers	
Search Engine , C	April 2020-May 2020
<ul style="list-style-type: none">Created module to parse webpages linked to a given URL, index their contents and process queries to search the pagesDesigned ranking algorithm that supports Boolean operators and outputs search results sorted by relevancy	
Part of Speech Tagger , Java	June 2020
<ul style="list-style-type: none">Used Hidden Markov Models and the Viterbi algorithm to label each word in a given sentence with its part of speechTrained on a large dataset, program is capable of tagging 35,000 words with 96% accuracy	

LEADERSHIP

Dartmouth Women's Ultimate Frisbee	Sept 2018-Present
<ul style="list-style-type: none">Managed \$10,000 budget and financial aid for 23-person team, booked hotels and vans and paid tournament feesPlanned and led practices, constructed team strategy and workout schedule to improve team's fitness and skillHonors (as player): Member of Team USA Juniors (Gold Medal, 2018 World Championships), 2019 D1 All-Freshman 1st Team New England, 2019 Highest Scoring Freshman in D1 College (third highest overall)	

ACTIVITIES & INTERESTS

Activities: Peer Tutor in Intro CS Courses, Women in Computer Science, Ultimate Frisbee, Alpha Xi Delta Sorority
Ask me about: Hiking in the White Mountains, the Supreme Court, how to make the perfect pancake