

# Naomi Meininger

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## EDUCATION

**Tufts University, Medford, MA**

Expected Graduation: May 2024

*Bachelor of Science in Computer Science, Minors in Mathematics and Theater*

**GPA:** 3.67 / 4.0, Dean's List

**Relevant Courses:** Calculus III, Linear Algebra, Real Analysis, Data Structures, Mathematical Modeling, Machine Structure and Assembly-Language Programming, Data Science and Data Analysis, Data and Power: Surveillance, Programming Languages, Web Programming

**Fall 2023:** Algorithms, Internet-Distributed Systems, Ethics for AI

**Skills:** C++, C, Python, SQL, MongoDB, PHP, Node.js, Heroku, Pandas, Scikit-learn, Tensorflow, HTML, CSS, JavaScript, JQuery, Impcore, Scheme, SML, NML, LaTeX, Excel, Professional Working Spanish, Beginner Italian

## EXPERIENCE

**Full Stack Software Engineering Intern, Blue Cross Blue Shield of Massachusetts, Boston, MA**

State Date: June 2023

- Will design a customized login and webpage experience based on current health insurance plan
- Will use deep learning techniques along with frontend and backend technologies to implement this new interface

**President, Tufts TAMID, Medford, MA**

Dec 2021 – Dec 2022

**Co-Director of Data Science Sector, Tufts TAMID, Medford, MA**

Apr 2021 – Dec 2021

**Associate Data Scientist, Tufts TAMID, Medford, MA**

Oct 2020 – Present

- Oversaw the consulting, finance, and data science sectors of TAMID at Tufts and managed the chapter's budget
- Coordinated projects and membership, organized and taught education sessions in a variety of data science topics
- Learned about various aspects of data science, such as deep neural networks and decision trees, and applied this knowledge to professional and real-world experience, most recently through a project with TropX

**Teaching Assistant for Computer Science, Tufts University, Medford, MA**

Aug 2021 – Present

- Teach students recursion, pointers, and functional programming
- Staff 3 office hours, grade 10 students, and lead a 26 person lab each week
- Assist with course infrastructure

**Teaching Assistant for Summer Immersion Program, Girls Who Code, Virtual**

May 2022 – Aug 2022

- Taught HTML, CSS, and JavaScript while promoting sisterhood and making an impact with STEM and computing

**Exercise Modeling Data Intern, TropX, Medford, MA**

Oct 2021 – Dec 2021

- Trained binary classification model on exercise data using Keras LSTM layer that identifies the correct execution of exercises

## PROJECTS

**Image Compressor and Decompressor (C)**

- Applied a Discrete Cosine Transformation and bit packing techniques to compress a ppm image to a binary file
- Utilized bitwise operations to decompress a binary file to a ppm image while averaging 2% data loss

**E4U (HTML, CSS, JavaScript, JQuery, Node.js)**

- Designed a web application that utilizes MongoDB to create user profiles, add workouts, search for relevant exercises in an API, view past workouts, and edit and delete past workouts

**Theta Tracker (HTML, CSS, JavaScript)**

- Designed a website that would allow members of my sorority, Kappa Alpha Theta, to access points and financial dues using a password-encryption system without having to contact the Vice President of Administration or the Vice President of Finance

## INTERESTS

Musical Theater, Disney, Sousaphone, Trivia, History, Judaism, Community Outreach