Vivian Trinh

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Education

Massachusetts Institute of Technology   Cambridge, MA

B.S. Computer Science, GPA: 5.0   September 2021 – May 2025

Experience

Walden Local Meat Co.   Tewksbury, MA

Software Intern   January 3, 2022 - January 28, 2022

- Design and implement real-time inventory tracking and request system taking into account physical and technical constraints
- Design database models, user interfaces, and integrate solution into internal Python application

HackMIT   Cambridge, MA

Corporate Relations Head   September 2021 - Present

- Run the CR committee for HackMIT as head by organizing outreach strategies to schools and organizations
- Seek out companies and organizations to negotiate sponsorships

Undergraduate Research   Cambridge, MA

Building Lightweight Climate Models with Physics-informed Deep Learning   September 2021 - Present

- Research in developing more energy-sustainable lightweight climate models
- Process climate model output to implement a baseline time-series machine learning model

Society of Women Engineers   Cambridge, MA

Web Programming for SWE site   September 2021 - Present

- Manage and improve MIT's SWE website for event attendance and board requirements
- Add additional features and create additional documentation on website's database

MIT Undergraduate Association (UA)   Cambridge, MA

UA Sustainablity and Finboard Committee Member   September 2021 - Present

- Contribute to running thrift pop-up stores and constructing garden spaces
- Allocate funding for clubs and assist them with fundraising

Projects

Spotify Clone

- Developed application to play music from a library
- Performs functions: favoriting/unfavoriting songs, playback, fastforward, pause/resume, display song info

Replenishment System @ Walden

- Created GUI for packing team to send out replenishment requests for specific product
- Created GUI for inventory team to recieve the requests and locate the product based on FIFO (first in first out)

Effects of Soluble Fiber on Cholesterol

- Designed an experiment to test how soluble fibers from different substances effect cholesterol levels
- Used the Liebermann-Burchard test and spectrophotometer anaylsis
- Won regional science fair

Skills

Languages   Python, C/C++, Java, JavaScript, HTML/CSS, SQL

Frameworks + Tools   Git, React, MATLAB, Illustrator, MySQL, Metabase, Tkinter, Jupyter Notebook