

Vivian Trinh

📞 (408) 613-5257 | ✉️ viviantt9@gmail.com | 📷 [viviantt9](#) | 🌐 [viviantt9](#)

Education

Massachusetts Institute of Technology

B.S. Computer Science, GPA: 5.0

Cambridge, MA

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

MIT Undergraduate Association (UA)

Cambridge, MA

UA Sustainability 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

SARIMA Forecasting Model for Mean Surface Air Temperature (TAS)

- Extracted data from CMIP6 to use in forecasting models
- Created animation using MATLAB to show changes in surface air temperature on global map from 1850-2014
- Used SARIMA model to predict mean global surface air temperature

Replenishment System @ Walden

- Created GUI for packing team to send out replenishment requests for specific product
- Created GUI for inventory team to receive 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 analysis
- 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