Vivian Trinh

📞 (408) 613-5257 | ✉ viviantt9@gmail.com | 🏠 viviantt.com | 🐙 viviantt9 | 💼 viviantt9

Education

Massachusetts Institute of Technology   Cambridge, MA

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

CS Courses   6.0001 - Python, 6.006 - Intro to Algorithms, 6.009 - Fundamentals of Programming, 6.046 - Design and Analysis of Algorithms, 6.08 - Interconnected Embedded Systems

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 with database models and user interfaces
- 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)

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 - July 2022

- 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 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

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

HackMIT/Blueprint Website

- Worked with a team on HackMIT/Blueprint Website using React
- Website for our annual HackMIT college hackathon and annual Blueprint high school hackathon

Blend.ai

- Created an image editing UI that uses Blended Latent Diffusion to edit images with text inputs
- Worked on FrontEnd using React, Mantine, Vine

Skills

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

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