Thienan Tran

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EDUCATION

Boston University

Boston, MA

BA in Computer Science, Data Science minor

Expected May 2024

GPA: 3.91

Experience

Office Assistant Sep 2021 - Sep 2022

Boston University Department of Development and Alumni Relations

Boston, MA

- Worked with team to help hundreds of alumni with their questions and requests
- Taught myself how to build registration pages so hundreds of people can sign up for events
- Trained new student employees

Teacher's Aid Volunteer

July 2017, July 2018

Syracuse, NY

Cathedral Academy at Pompei

- Assisted teachers in delivering lessons in English, math, and science to elementary students in summer program
- Chaperoned the 30 students while teachers were busy
- Solved technical difficulties

Projects

Personal Website (4) | React.js, Chakra UI, MongoDB, Express, Node

May 2023

- Built an API that supports CRUD operations, primarily used to serve fun facts
- API supports cross-origin requests but has an authentication feature, so people can't make up facts about me
- API uses the ChatGPT API to generate lies about myself
- Used Chakra UI to create a pleasant user experience
- Deployed using Netlify at https://ttran.netlify.app/

Recognizing Professor's Handwriting with Machine Learning | Python

April 2023

- Collected 25 handwritten instances of each of the following letters: a, b, c, d, e
- Cleaned data and converted it into a list of one-hot encodings
- Implemented four neural networks, differentiated by data augmentation, convolutional layers, and transfer learning
- Trained a model on the EMNIST dataset
- The best model had a 97% accuracy on the testing dataset

${\bf Photoshare} \ | \ \mathit{Flask}, \ \mathit{MySQL}$

 ${\rm Feb}\ 2023$

- Built a photo-sharing website with a registration and authentication system
- Users can create albums, post photos, comment on photos, and like photos
- Wrote complex MySQL queries to generate friend and photo recommendations
- Implemented a sorting feature so users can sort by most likes and specific tags

Skin Cancer Detector | Flutter, Python

Oct 2022

- Learned Dart and Flutter in 3 hours to implement a picture-taking Flutter app
- \bullet Cleaned skin cancer data and trained a convolutional neural network on it, achieving 95% accuracy on testing dataset

Google Software Product Sprint | HTML, CSS, JavaScript, Java, Git

Summer 2022

- Created a portfolio website using Google APIs and Java Servlets
- Added transitions and styles and reviewed code for a collaborative project involving a web app that displayed essential college items

TECHNICAL SKILLS AND ACTIVITIES

Languages: HTML, CSS, JavaScript, Python Developer Tools: Git, VS Code, Postman

Activities: Hack4Impact, Google Software Product Sprint, Hackathons