

Thienan Tran

ttran010@bu.edu | [linkedin.com/in/thienan-tran-35176620b](https://www.linkedin.com/in/thienan-tran-35176620b) | github.com/thienantran010

EDUCATION

Boston University

BA in Computer Science, Data Science minor

GPA: 3.91

Boston, MA

Expected May 2024

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

Cathedral Academy at Pompei

Syracuse, NY

- 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

Full-Stack Mafia Mystery Port | *MongoDB, Express, React, Node, Typescript*

June 2023 - Present

- Brings the mobile game Mafia Mystery to the web
- Implemented JWT authentication authorization via cookies and a confirmation email for additional security
- Designed a non-relational database to manage player profiles and game states
- Developed a REST API to enable communication between the front-end and the database
- Built a user-friendly front-end with Material UI
- Implemented live chats, votes, and games using socket.io
- Conducted unit tests with Jest to ensure accurate game state updates

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

May 2023

- Built an API to serve fun facts about me
- Leveraged ChatGPT API to generate lies
- Created a aesthetically-pleasing front-end with Chakra UI
- 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

Photoshare | *Flask, MySQL*

Feb 2023

- Developed a photo-sharing website with a registration and authentication system
- Designed a relational database (SQL) to store user and photo information
- Implemented friend and photo recommendation system and a sorting feature with MySQL queries

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, Typescript

Developer Tools: Git, VS Code, Postman