

Hieu Nguyen

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EDUCATION

University of Massachusetts Amherst — *B.S in Computer Science*

September 2020 - July 2024

- Cumulative GPA: 3.7, Major GPA: 3.9
- B.S.Computer Science from the College of Information and Computer Science(CICS)

Relevant Coursework: Introduction to Algorithms, Programming with data structures, Programming Methodologies, Computer System Principles

PROJECTS

Mini Social Media App

- Develop a mini social media app that allows users to create accounts, log in, make posts, edit posts, add comments, and react to a post.
- Build the UI using React, React Router, and Material UI; set up a server to handle requests and send back responses using Express; model and store data using Moongoose and MongoDB.
- Implement indexing in MongoDB to improve the query speed and pagination to reduce latency by approximately 30%, improving user experience.

Amazon Instrument Reviews Classification

- Design a multi-layer recurrent neural network using Tensorflow and Keras library to classify positive and negative Amazon customer reviews of instruments.
- Preprocess the data by reducing the dimensions and normalizing the dataset to optimize model accuracy and speed
- Model yields an average accuracy of 93%.

SKILLS

Languages:
Javascript(Node js),
Java, Python, C

Frameworks and Libraries: Express, React, Moongoose, Spring, Tensorflow, Keras, Django

Other technologies:
MongoDB, Postman, Git

AWARDS

Dean's List of
Honors(Fall 2020 and
Spring 2021)

LANGUAGES

English, Vietnamese