

Huy Phan

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EDUCATION

Boston University

May 2023

Bachelor of Arts in Computer Science

- GPA: 3.80/4.00 | Dean's List 2019-2023
- Relevant Courses: Algorithm Analysis, Artificial Intelligence, Calculus III, Combinatoric Structures, Computer Systems, Concepts of Programming Languages, Differential Equations, Linear Algebra, NLP, Probability

PROFESSIONAL EXPERIENCE

Boston University Computer Science Department | Boston, MA

Sep 2022 – Dec 2022

Web Development Teaching Assistant

- Strengthened 100+ students' understanding of internet structure and functionality by instructing 5 weekly lab sections covering JS, HTML, CSS, web dev, DOM, computer networks, HTTP, deployment, online safety

Natixis Investment Managers | Boston, MA

Jun 2022 – Sep 2022

Software Engineer Intern

- Optimized and upgraded the manager reporting process by building a centralized full stack app with detailed documentation that reduces a 22 step process down to 1, improving the reporting time from 1 hour to 10 minutes
- Developed a Python script using Pandas that performs downstream enterprise data validation in agile environment streamlining ETL processes for data engineers which improved load times and analytic efficiency by 80%
- Increased research workflow by building an automated bot to aggregate data from 15+ major business journals and online newspapers every morning boosting search time from 1+ hours to ~5 seconds
- Delivered capstone presentation sharing insights to the CEO, 20+ senior leaders & managers, and 100+ employees

PROJECTS & LEADERSHIP

[Small Business Inventory System](#) | Chakra UI, Firebase, NextJS, React, Vercel

Mar 2023 – Sep 2023

- Designed an inventory system for users to track in-progress and completed orders by implementing a custom API that aggregates 1000+ customer data points into Firebase boosting customer retention by 50% and sales by 30%
- Integrated auth layer into backend using Google OAuth preventing unauthorized users access to sensitive data
- Innovated customer-relations platform into a website with modern UI increasing business engagement by 90%

Boston University Hack 4 Impact – Front End Engineer | Material UI, React,

Jan 2021 – May 2023

- Programmed front-end UIs for non-profit organization Humanity First's tutoring web application using React connecting 100+ tutors & tutees globally administering a platform facilitating the accessibility of study resources

Spotify Sample Identifier | Flask, NextJS, React

Dec 2022

- Engineered a tool that identifies music samples given the title of a song by leveraging the Genius & Spotify API which accelerated analysis for a research project about the pervasiveness of sampling in the music industry

What 2 Eat | Firebase, React

Aug 2022

- Created a web app that gives restaurant suggestions based on user preference or location and tracks user ratings expediting the selection process and growing a network of restaurants

TECHNICAL SKILLS

Programming: Python, Java, HTML, CSS, JavaScript, Flask, Node, Express, React, MaterialUI, ChakraUI, NextJS, MongoDB, SQL, SQLite, MySQL, Firebase, Docker, Vercel, Object Oriented Programming, Data Structures

Additional Skills: JSON, REST APIs, Git, Jira, Trello, User Interface (UI) & User Experience (UX) Design, Object Oriented Design, Algorithm Design, Agile Development, Data Visualization, Project Management, Adobe Suite