

Huy Phan

Portfolio | [LinkedIn](#) | [GitHub](#)

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RELEVANT EXPERIENCE

Winn Cleaners

Boston, MA

Freelance Software Engineer

Aug 2023 – Present

- Developed a SaaS business software tool enabling efficient order management, providing real-time analytics resulting in a 50% reduction in order processing time, a 70% decrease in data entry errors, a 20% reduction in operational costs
- Built and integrated a serverless function to automate sending digital receipts and order completion alerts via SMS using Twilio's API, reducing alert time by 50% and boosting client satisfaction by 30%
- Innovated customer-relations platform into website with modern UI increasing business engagement by 90%, incorporating SEO strategies and performance monitoring via Google Analytics

Boston University Computer Science Department

Boston, MA

Web Development Teaching Assistant

Sep 2022 – Dec 2022

- Strengthened 100 students' understanding of internet structure and functionality by instructing 5 weekly labs covering JavaScript, HTML, CSS, web development, DOM, computer networks, HTTP, GitHub, deployment

Natixis Investment Managers

Boston, MA

Software Engineer Intern

Jun 2022 – Sep 2022

- Optimized manager reporting process by building centralized full stack app with detailed documentation that reduces 22 step process down to 1, improving reporting time from 45 minutes to 10 minutes
- Collaborated with 3 data engineers to develop Python script that performed downstream data validation in agile environment streamlining ETL processes and improving load time efficiency by 50%
- Enhanced research workflow by building an automated bot to aggregate data from 15 major business journals and online newspapers every morning decreasing search time from 30 minutes to 5 seconds
- Delivered capstone presentation sharing insights and impacts of ESG investments to the CEO, 20 senior leaders & managers, and 100 employees advising future company investment into ESG vehicles

PERSONAL PROJECTS

Full Stack Spending Analyzer

Tools: Express, React, NodeJS, Firestore, NextJS, Plaid, Vercel

- Implemented Plaid's transaction service and OAuth flow to securely fetch user's transaction data and developed pipeline moving banking data from Plaid into Firestore
- Paginated and tabulated transaction data using React and Chakra UI into tables and charts spending categories to help users understand spending habits and analyze cost-saving strategies
- Accelerated manual organization of monthly spending from spreadsheet into one automated application decreasing processing time by 99% from 1 hour to 10 seconds

Humanity First & BU Hack 4 Impact

Tools: React, Material UI

- Programmed intuitive, responsive front-end components - navigation bar, login forms, data tables - establishing foundational layout and structure for Non-profit Humanity First's online tutoring service using React and Material UI.
- Tabulated tutor data using MUI data grid showcasing tutor's skills facilitating efficient tutor and tutee matching

Sample Identification Tool

Tools: React, Flask, Python

- Engineered an innovative tool leveraging Genius API to detect music samples from titles, enhancing research efficiency by 50% for a research project on the pervasiveness of sampling in the music industry

TECHNICAL SKILLS

Languages: Python, Java, HTML, CSS, JavaScript, SQL, C

Frameworks: MongoDB, Express, React, Node, Flask, MaterialUI, ChakraUI, NextJS

Cloud: AWS, Google Cloud Platform (GCP), Firebase, Vercel, Netlify

Software: UI/UX Design, Object Oriented Programming & Design, SDLC, Data Visualization, Agile Development

Tools: Git + GitHub Actions, Jest, Linux, RESTful APIs, Jira, Trello, Docker, \LaTeX

EDUCATION

Boston University

May 2023

Bachelor of Arts: Computer Science, GPA: 3.80/4.00

- **Coursework:** Artificial Intelligence, Software Engineering, Full Stack Development (MERN), Computer Systems, Database Management Systems, Web Development, Algorithm Design + Analysis, Combinatoric Structures, NLP