

# Huy Phan

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

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## TECHNICAL SKILLS

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**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, L<sup>A</sup>T<sub>E</sub>X

## RELEVANT EXPERIENCE

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### Winn Cleaners

Boston, MA

*Freelance Full Stack Software Engineer*

*Jan 2024 – Present*

- Designed an inventory system for users to track in-progress and completed orders by implementing custom RESTful API that aggregates 1000+ customer data points into Firebase boosting customer retention by 50% and sales by 30%
- Integrated Express server deployed as a serverless function that utilizes Twilio's API to send SMS alerts notifying customers of order completion boosting client satisfaction and streamlining business operations
- 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
- Improved load time efficiency by 50% by developing Python script (pandas) that performs downstream data validation in agile environment streamlining ETL processes for data engineers
- 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

## PROJECTS

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### 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 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 tool that identifies music samples given titles by leveraging Genius API accelerating analysis for research project about pervasiveness of sampling in music industry

## EDUCATION

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### 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