

# Hieu T Tran

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

## Education

### Worcester State University

Worcester, MA

Bachelor of Science in Computer Science, GPA: 3.8

January 2020 - May 2024

- **Honor:** Dean's List 2020, 2021, 2022
- **Relevant Coursework:** Data Structures, Algorithm Analysis, Database Design & Application, Project Management, Networking & Security, Software Testing & Quality Assurance, Software Construction, Design & Architecture

### Quinsigamond Community College

Worcester, MA

Associate Degree in Computer Systems Engineering Technology (CSET)

January 2017- May 2019

- **Relevant Coursework:** Unix OS, Windows Server OS, Adv Web Design Script Language, Networking Technologies, Computer Hardware & Support.

## Skills

**Technical:** Python | Java | JavaScript | HTML | CSS | C | C++ | MATLAB

**App Development:** NodeJS | ExpressJS | jQuery | ReactJS | Redux

**Cloud Platforms:** AWS | Google Cloud Platform

**Other Tools/Frameworks:** MySQL | Jira | Firebase | Postman | Git | Bash | VS Code | Bootstrap | REST APIs

**Soft Skills:** Bilingual, fluent in both English and Vietnamese

## Projects

**Trade Buddy AI** 🤖 (React Native, Alpaca API, OpenAI API, CoinGecko API)

May 2024 - Present

- Developed a sophisticated cross-platform mobile trading application for iOS and Android, leveraging Open AI GPT-4o to analyze market trends, interpret news, and evaluate visual charts for generating trade signals.
- Designed an intuitive and user-friendly interface to enhance user experience.
- Optimized order submission processes, resulting in a 47% gain on a \$10,000 paper trading account after testing on 235 trades, with a win-loss ratio of 6:4.

**Cryptocurrency Price/Spotify Search Tool** 🤖 (Python, CoinGecko API, Spotify API)

February 2023

- Engineered a dynamic Discord bot leveraging the CoinGecko API for real-time cryptocurrency market prices. This optimization led to a 40% increase in trading profit by significantly improving price monitoring speed through user-friendly commands.
- Enhanced bot functionality by seamlessly integrating the Spotify API to retrieve artist details, including names, followers, images, and top tracks.

**Crypto Wallet Manager** 🤖 (HTML, Python, Flask, SQL, CoinGecko API)

June - December 2023

- Developed and deployed a robust Flask web application powered by Python. Allows users to input cryptocurrency wallet addresses for instant balance retrieval, resulting in a 60% reduction in the time required for wallet check.
- Implemented a SQL database to store user data securely and efficiently, including login credentials and user balance information, ensuring data integrity and security.
- Utilized real-time API data to calculate and display the total USD value of cryptocurrency holdings, providing users with a user-friendly and data-rich experience.

**Personal Portfolio Website** 🤖 (HTML, CSS, JavaScript, Bootstrap)

January - March 2023

- Spearheaded the design and development of a captivating personal portfolio website, showcasing proficiency in HTML, CSS, JavaScript, and Bootstrap. Achieved an aesthetically pleasing and functional web application, demonstrating a keen eye for modern design principles and user-friendly interfaces.
- Manifested a commitment to professionalism and innovation in web development, resulting in a visually appealing and seamlessly navigable digital presence. Led to a substantial increase of 6 interviews within one month, reflecting the impact of the website on professional visibility.

## Certifications

**AWS Academy Graduate - AWS Academy Introduction to Cloud Semester 1**

May 2023

- Issued by Amazon Web Services Training and Certification.
- Completed the AWS Academy Introduction to Cloud Semester 1, demonstrating proficiency in cloud computing principles and technologies

