

Francisco Vu

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EDUCATION

University of Massachusetts Boston

Bachelor of Science in Computer Science

Boston, MA

Expected May 2026

Relevant Courses: Data Structures, Algorithms, Databases, Machine Learning, Game Development

TECHNICAL SKILLS

Languages: Java, C, Python, C#, SQL

Tools & Frameworks: Unity, Git, SQLite, Tailwind

Concepts: Data Structures, OOP, Database Management, Machine Learning

PROJECTS

Portfolio Website (In Progress)

HTML, CSS, JavaScript, Tailwind

- Developed a fully responsive, modern portfolio website using Tailwind CSS, HTML, CSS, and JavaScript, showcasing strong front-end development skills.
- Focused on building a seamless, intuitive user interface (UI) while improving my understanding of UI/UX principles.
- Gained hands-on experience with version control and Git while managing the project's codebase.

Machine Learning Song Success Classifier (In Progress)

Octave, SQLite

- Collected and preprocessed song data using SQLite databases, ensuring data integrity and efficient querying for analysis.
- Built logistic regression and support vector machine (SVM) models in Octave to predict song success.
- Analyzed audio features and metadata to uncover patterns in popular music, enhancing model performance with feature selection.

3D Unity Game (In Progress)

C#, Unity

- Developing a 3D game environment using Unity and scripting with C#.
- Designing player mechanics, physics interactions, basic enemy AI, and game UI.

CryptoCoin Bot

Python

- Created an automated Telegram messaging robot to notify users about trending and potentially lucrative Crypto investment opportunities.
- Implemented key data structures (e.g., linked lists, trees, hash maps) in Python to analyze Cryptocurrency market trends.
- Focused on optimizing time and space complexity for performance-critical applications.

EXPERIENCE (JOB HISTORY)

Personal Care Aide (PCA)

Tempus Unlimited

October 2018 - October 2020

Stoughton, MA

- Worked directly with patient and tended to physical, emotional, and medical demands.
- Developed emotional intelligence working with autistic patient and understanding of the developmental disability.

Cashier/Customer Service

Seasons Corner Market

November 2023 - July 2024

Norwood, MA

- Developed interpersonal communication skills during tenure.
- Helped the customers with technical issues regarding the Rewards program and banking issues that might arise during gas payment
- Became familiar with Seasons sales POS.