Francisco Vu

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EDUCATION

University of Massachusetts Boston   Boston, MA
Bachelor of Science in Computer Science   *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 Cryptocoin market trends.

- Focused on optimizing time and space complexity for performance-critical applications.

EXPERIENCE (JOB HISTORY)

Personal Care Aide (PCA)   *October 2018 - October 2020*
Tempus Unlimited   *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   *November 2023 - July 2024*
Seasons Corner Market   *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.