Charles Milton

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EDUCATION

California State University, Long Beach | Long Beach, CA
Major: Computer Science | **Focus:** Machine Learning & Artificial Intelligence   **Expected Graduation:** May 2026
Relevant Coursework: Data Structures, Algorithms, Object-Oriented Application Development, Software Engineering, Calculus III, Linear Algebra, Probability & Statistics, Discrete Structures

EXPERIENCE

DreamWay Media   September 2024 - Present
Role: Web Application Development Intern
- Assist in building and maintaining e-commerce dynamic websites using **PHP**, **React**, and modern web technologies, contributing to **e-commerce** platforms and optimizing for speed, **SEO**, and user experience.

Association for Computing Machinery   August 2024 - Present
Role: Web Developer
- Develop and manage ACM's websites, including promoting **CSULB's BeachHacks** and designing user-friendly features for event sign-ups to enhance engagement.

XR Engineering Club   September 2023 - Present
Role: Web Developer (Prev. Project Lead)
- Overhauled the club's website and led a team to develop a **cooking simulator game**, focusing on functionality and key gameplay features like recipe management and scoring.

PROJECTS

Rate My CSULB Professors | Chrome Extension *(HTML, CSS, JavaScript)*   December 2024
- Engineered a Chrome extension that integrates professor ratings into CSULB's course registration platforms using **GraphQL APIs** and a 200-entry **LRU caching system**, reducing query latency by up to 50% and enhancing real-time data retrieval.
- Developed an intelligent **name-matching system** combining **Jaro-Winkler similarity** and **normalized Levenshtein distance**, enabling accurate professor identification by handling initials, hyphenated names, and adaptive thresholds.

XR Engineering Club's Official Website | Club Website Project *(Next.js, Node.js, Tailwind)*   September 2024
- Constructed a responsive and user-friendly platform using **Next.js** and **Tailwind**, providing real-time updates on the club's mission, officers, projects, and events for **100+** members.

Lingo AI | Hackathon AI Project *(Flask, Next.js, Node.js, Express.js)*   June 2024
- Built an AI-powered language trainer integrating **Flask**, **Next.js**, and **OpenAI APIs** to deliver real-time grammar feedback for 50+ languages, while leveraging **Hume AI** for emotion analysis to boost user engagement and learning.

TECHNICAL SKILLS

Languages: Python, Java, TypeScript, JavaScript, C++, C#, PHP, HTML/CSS
Libraries/Frameworks: React.js, Next.js, Flask, Node.js, Express.js, Tailwind CSS
Databases: MongoDB, PostgreSQL, MySQL
Machine Learning & AI: TensorFlow, scikit-learn, pandas

CERTIFICATIONS

Machine Learning Specialization | DeepLearning.AI, Stanford University   Issued: October 2024
- Gained proficiency in machine learning techniques, including supervised and unsupervised learning, deep learning, and neural networks. Utilized tools like **TensorFlow**, **scikit-learn**, and **pandas** for model implementation.