# Charles (Chuck) Milton

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## EDUCATION

**California State University, Long Beach | Long Beach, CA**

**Major:** Computer Science | B.S. Computer Science          **Expected Graduation:** May 2026

**Relevant Coursework:** Data Structures, Algorithms, Object-Oriented Application Development, Software Engineering, Calculus III, Linear Algebra, Probability & Statistics, Discrete Structures

## TECHNICAL SKILLS

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

## 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 (Former 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
- Developed a Chrome extension that integrates professor ratings into CSULB's course registration platforms, empowering students to make informed decisions.
- Optimized real-time API calls with a **200-entry local cache** and implemented server-side caching to **reduce request latency by up to 50%**.

**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
- Developed an AI language trainer using **Flask**, **Next.js**, and **OpenAI APIs**, improving real-time grammar feedback accuracy for **50+ languages**.
- Leveraged **Hume AI** for emotion analysis to enhance user engagement and learning efficiency.

## 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.