Hoang Nguyen

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Education

California State University, Fullerton, Bachelor of Science in Computer Science   Sept 2020 – May 2025
- **GPA:** 3.5/4.0
- **Coursework:** Algorithm, Database, Full-Stack and Mobile development, AI and Introduction of Cybersecurity.

Technologies

Languages: C/C++, Java, Python, Swift, C#, SQL, JavaScript, Typescript, Svelte, HTML/CSS

Technologies: .NET, PostgreSQL, XCode, Docker, AWS EC2, Lambda, Git, Firebase, FastAPI NextJS, Prisma

Experience

Software Developer, FullyHack Hackathon – Fullerton, CA   April 2024 – May 2024
- Led a 3-person team in developing "Algo Locker," A web application that enables students to store and organize their LeetCode Solution while providing quick reference access for technical preparation.
- Designed and implemented an intelligent recommendation system that analyzes users' solved problems and suggests targeted practice questions.
- Designed and implemented API that connects with Firebase database for fast lookup and maintains 90% uptime.

IT Specialist, School Of Risk Management and Insurance – Fullerton, CA   Jan 2021 - Sept 2022
- Maintain data integrity with internal documents. maintained website contact with up-to-date information.
- Managed and updated budget data for departmental operations and company events utilizing Exel. Maintain items in the Inventory.
- Assist the student to look up certain information and holding event for the School.

Projects

Clippy github.com/kylenguyen-cs30/Clippy   April 2025
- Develop a cross-platform application that uses .NET and Avalonia Frameworks to extract and maintain synchronization of Clipboard at the local network level for any system. It can maintain and target up to 10 devices.
- Tools Used: ASP, .NET, Avalonia

Parfummelier github.com/kylenguyen-cs30/Parfummelier   Nov 2024
- Led a team to develop a full-stack fragrance recommendation system serving 100+ users with 90% matching accuracy, architecting microservices infrastructure using Docker and multiple Python Frameworks that achieve 99.9% and <100ms response time. it also have social media components.
- Tools Used: FastAPI, Flask, NextJS, PostgreSQL, MongoDB

Enterty github.com/kylenguyen-cs30/tictactoe-ml   Sept 2024
- Developed a timer iOS application that tracks user's entertainment activity using SwiftUI for a smooth frontend experience, with data indexed into a highly scalable FastAPI backend maintaining 90% uptime and data integrity.
- Tools Used: SwiftUI, FastAPI

Tic Tac Toe github.com/kylenguyen-cs30/tictactoe-ml   Sept 2022
- Engineered an AI opponent using reinforcement learning and created a fast, optimized single-page web application utilizing NextJS.
- Tools Used: NextJS with Typescript.