

Nelson Lam

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EDUCATION

University of Texas at Arlington
Bachelor of Science in Software Engineering

August 2023 - August 2023

TECHNICAL SKILLS

Front End | HTML, CSS, SASS, JavaScript, Typescript, React.JS, FIGMA, JSON, XML

Back End | Java, C, C#, Python, SQL, MongoDB, FireBase, REST, Assembly, GCP, Node.JS, TensorFlow

Testing/Deployment | JUnit, Plastic SCM, Agile, SCRUM, Git, Jenkins, Virtual Machine, Cryptography, Network Security, Application Security, git

Developer Tools | Docker, npm, Android Studio, Unity, PowerShell, Linux, Unix, Maven, Bash, OpenSSL

PROJECTS

Sound Identification

August 2024

Website-based application | HTML | CSS | JS | Python | React | Node | TensorFlow | OpenSSL | npm | Semantic UI

- Developed a web-based application using HTML, CSS, JavaScript, and React, integrating TensorFlow.js for real-time sound classification, enabling the identification of various sounds, animal noises and human voices.
- Implemented Node.js and Python backend for audio processing and model management, employing OpenSSL for website security and conducting user testing to refine UI/UX based on feedback.

VR Hospice Care App

August 2023

Unity-based application | Oculus | Unity | C# | Plastic SCM

- Conducted user testing to enhance user interface and user experience (UI/UX), gathering valuable feedback from over 50 nursing students to improve educational effectiveness.
- Utilized debugging techniques to identify and resolve over 75 software issues, resulting in a 90% reduction in application size and significantly improving performance and stability.
- Developed and implemented comprehensive test cases and documentation to ensure adherence to quality standards throughout the application life cycle.

Pokemon Search Website

May 2023

Website-based application | HTML | CSS | JS | React | npm | FIGMA | API | FIGMA

- Designed a responsive and intuitive web application utilizing React libraries with APIs to enable users to easily search for and retrieve information on Pokemons by name.
- Integrated the Google Earth API and PokeAPI to provide real-time proximity data, leading to a 40% increase in user engagement and interactivity.

Fitness & Health Android App

December 2022

Android-based application | Git | Android Studio | Java | FireBase | API | FIGMA

- Implemented a secure data storage system using Firebase to protect user information, resulting in an increase in user trust and engagement by 20%.
- Utilized Google API to integrate location retrieval functionality into the Android application, allowing users to track their workouts, activities, and macronutrients accurately.

EXPERIENCE

Web Developer/Designer

Self-Employed

January 2023 - Present

HTML | CSS | SASS | JavaScript | React.JS | FIGMA | npm | API | FireBase

- Developed customized website designs for clients, integrating their business goals, brand identity, and design preferences, resulting in an increase in customer engagement and a rise in customer satisfaction ratings.
- Engineered user-friendly interfaces for websites, optimizing navigation and functionality following extensive client consultations, contributing to a substantial boost in website traffic.

Manager

Thai Orchid

July 2021 - Present

Addison, TX

- Oversee daily operations, including staff management, scheduling, and resource allocation, ensuring smooth restaurant functionality.
- Lead a team of 15+ employees, providing training, performance feedback, and conflict resolution to maintain a high standard of service.