

Andre Tuyen Nguyen
Los Angeles, California
Education: California State University
Northridge
BS. Computer Science

Email: dtuyen.ng@gmail.com
LinkedIn: www.linkedin.com/in/andre-tuyen-nguyen-43783b299/
Tel: 310 598 009
GitHub: [dtuyen.ng@gmail.com](https://github.com/dtuyen-ng)
Web: www.andretuyen.com

Programmer / Designer

Skilled in both technical and design aspects of cross-platform software development, with expertise across all phases: **conceptualization**, **design**, **implementation**, and **testing**. Combines technical proficiency with creative problem-solving to deliver user-focused solutions.

Skills

Programming Languages & Technologies: Python, JavaScript, Typescript, Swift, C#, C++, Java, SQL, HTML, CSS, PHP, React, React Native, Node JS, Express, Git / GitHub, MongoDB, Postman.

Technical Knowledge: Data structures, algorithms, time / space complexities, web and desktop applications, shopping carts, single page applications (SPA), mobile application design for Android and Apple, databases, Rest API, Python automation, Networking, Network Security.

Design Knowledge: User Interface (UI) design, User Experience (UX) analysis, typography, color theory, layout & composition, visual hierarchy, web accessibility, responsive designs, prototyping, Figma, Creative Suite: Photoshop, Illustrator, SEO, 3D modeling, Blender, Maya.

Soft Skills: Good at problem solving by distilling and simplifying complex tasks down, cooperating with team members and coming up with creative and efficient solutions.

Projects

Amazon Inventory Search Tool - GitHub: https://github.com/dtuyenng/amz_yafa_portal

URL: <https://amz-yafa-portal-andre-nguyens-projects.vercel.app/>

Technologies Used: React, Javascript, HTML, CSS, JSON, Vercel

A fast React Single Page Application designed to efficiently sort over 4,000 items and ASINs, addressing limitations in Amazon's seller tools. It features a clean UI with a single search bar for refining results using multiple query terms. The app draws data from an updatable JSON file and has significantly improved productivity by streamlining workflows. This solution has resulted in a substantial reduction in manual tasks, saving a considerable amount of company time and boosting overall efficiency.

Simple™ Password Manager GitHub: https://github.com/dtuyenng/password_manager

Technologies Used: Python, Symmetric Encryption, SHA-256 Algorithm, JSON

A secure offline alternative to online password managers, designed for users who prioritize local storage and minimizing exposure to potential attack vectors. This Python-based cross-platform desktop app securely stores and retrieves passwords using symmetric encryption and the SHA-256 hashing algorithm. All password data is stored in a JSON file, converted to binary, and encrypted, ensuring robust protection without reliance on the internet. Perfect for users who value privacy, prefer keeping their sensitive information entirely offline, and seek to reduce possible security risks.

Simple™ Stupid Money GitHub: https://github.com/dtuyenng/password_manager

Technologies Used: React Native, Expo, JavaScript, Typescript.

A user-friendly, minimalist, and cross-platform expense tracker designed to simplify personal finance management. It avoids the complexity and clutter of traditional expense trackers, focusing only on essential features that users need, ensuring a streamlined and intuitive experience. Its user interface is crafted to emulate the minimalist aesthetic of a classic Apple app, ensuring a cohesive and focused user experience.

Work Experience

Shopify Dev / Automation Developer, Yafa Pen Company, www.privatereserveink.com

07/2022 – 10/2024

Revamped and modernized the company's websites using Shopify and the latest web technologies, ensuring a more dynamic, user-friendly experience for customers. Implemented automation solutions using Python to streamline and eliminate labor-intensive tasks, significantly improving employee efficiency. Additionally, enhanced customer engagement and sales by optimizing the website's functionality, integrating personalized features, and improving the overall user experience. These efforts led to a measurable increase in conversions and a more efficient workflow across the company.

Media Conversion and Optimization Specialist, Aleratec/Duplim, www.duplim.com

06/2018 - 08/2020

Responsible for converting media files, optimizing codecs, and compressing content for YouTube and other web platforms. This included ensuring media was in the appropriate format, resolution, and compression settings for efficient streaming and fast loading times. Managed the entire media conversion workflow, from initial file formats to final upload, ensuring compatibility across various platforms.

Front-End Web Developer, Orange Studio

01/2015 - 06/2015

Converted designs into responsive, optimized code using HTML, CSS, and JavaScript. Ensured the final product was visually accurate and functional across devices, applying responsive web design principles for a seamless experience. Enhanced interactivity with JavaScript and followed best practices for performance optimization, clean code, and cross-browser compatibility, delivering an efficient, user-friendly website.

IT Support (Student Worker), Cal. State University Northridge www.csun.edu

06/2012 - 08/2014

Served as the on-duty tech, providing technical support and troubleshooting assistance for the department's workstations and networks. Responsibilities included diagnosing and resolving hardware and software issues, managing network connectivity problems, performing routine maintenance to ensure optimal system performance, and supporting end-users with technical queries. Additionally, contributed to maintaining the overall functionality and security of the department's IT infrastructure.