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

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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.

Work Experience

Shopify Dev / Python Automation Developer, Yafa Pen Company, www.privatereserveink.com   07/2022 – 10/2024
- Modernized company websites using Shopify and using latest web technologies, ensuring a seamless and user-friendly user experience.
- Streamlined internal operations by implementing custom-made Python-based and web-based automation solutions (see Projects), significantly reducing manual workload and enhancing productivity.
- Designed and prototyped custom pen models using 3D modeling, 3D printing, and laser cutting, streamlining manufacturing processes.

Media Conversion and Optimization Specialist, Aleratec/Duplim, www.duplim.com   06/2018 - 08/2020
- Converted media files, optimized codecs, and compressed content for YouTube and other web platforms.
- Ensured 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, Birns & Sawyer Hollywood www.birnsandsawyer.com/   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 through responsive web design principles.
- Enhanced interactivity with JavaScript and followed best practices for performance optimization, clean code, and cross-browser compatibility, delivering an efficient, user-friendly website.

IT Specialist, Learning Resource Center, Cal. State University Northridge www.csun.edu   06/2012 - 08/2014
- Provided technical support and troubleshooting assistance for the department's workstations and networks.
- Diagnosed and resolved hardware / software issues, managing network connectivity problems and ensuring optimal system performance.
- Performed routine maintenance and supported end-users with technical queries, enhancing overall IT infrastructure functionality.
- Contributed to maintaining the security and reliability of the department's IT systems.

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
   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.

Amazon Image Processor- GitHub: https://github.com/dtuyenng/amazon_image_processor3
URL: https://amazon-image-processor3.vercel.app/ **Technologies Used**: React, Javascript, HTML, CSS, JSON, Vercel
   A fast and efficient image processor and tagger designed to streamline the renaming and processing of product photos for distribution on the Amazon Seller Portal. This app drastically reduced processing time, enabling a single employee to complete tasks in minutes that would have otherwise taken hours.

Simple™ Stupid Money GitHub: https://github.com/dtuyenng/password_manager **Technologies Used**: React Native, Expos, 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.