Tran Dan Nhi Nguyen

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Education

Luther College, Decorah, IA **Expected Graduation:** May 2028
Bachelor of Arts in Computer Science & Mathematics/Statistics **GPA: 3.90**/4.00
Relevant Coursework: Data Structures & Algorithms, Web Development Fundamentals, Data Modeling and
Querying, Computer Architecture, Java Object-Oriented Programming, Internet Programming, Discrete Mathematics.

Technical Skills

Languages & Frameworks: JavaScript, Python, Java, Ruby, Ruby on Rails, R, Swift, SwiftUI, SQL, HTML/CSS, Node.js,
Express.js, React.js, Bootstrap, Tailwind CSS.
Developer Tools: Git, GitHub, VS Code, Netlify, Docker, HashiCorp Vault, RSpec, Axios, REST API, Postman, Sidekiq, Figma.

Experience

Software Development Intern June 2025 – September 2025
Rakuna - Recruiting Software, Ha Noi, Vietnam

- Collaborated with fellow interns and engineers to upgrade Rakuna's recruiting application using **Ruby on Rails, PostgreSQL, React, Tailwind CSS, RSpec.**
- Enhanced the **frontend architecture** for Rakuna's prospect list and admin portal using **React**, improving **server state management**, **component efficiency**.
- **Updated model** for recruiting prospects to add new data states and improve **OCR execution** performance.
- Analyzed information and conducted **QA testings** to devise optimal solutions and ensure product quality, **reducing critical bugs by 30**% before customer demos.
- Deployed and maintained a Rails application on AWS using **Capistrano, Nginx, Puma, and PostgreSQL**, **troubleshooting configuration errors** and gaining hands-on experience with **deployment process**.

Teaching Assistant February 2024 – Present
Computer Science Department at Luther College

- Led weekly office hours, and host 1:1 sessions for **+20 students**, assisting with **code reviews, debugging, conceptual computer science concept and web development fundamentals**.
- Provided feedback on major programming assignments and helped students strengthen **programming thinking** and **software design skills, boosting 30**% **average improvement** in academic outcomes.
- Collaborated with course's instructors to improve the class environment and support students in time.

Projects

OpenDiary – A **Rails-based** web application for users to diary experiences Full-stack Developer
Ruby on Rails, PostgreSQL, Tailwind CSS, Devise, Active Storage, Action Mailer

- Developed a **Rails-based web application** for users to diary experiences and share reflections, integrating frontend and backend via server-rendered views, implementing **secure user authentication** with **Devise and OmniAuth**.
- Implemented user profiles using **Active Storage** and integrated post feeds showing content from users and followed users; **designed the database schema in PostgreSQL** and seeded mock data to test associations and social interaction.

Folkify – An interactive Recipe Search powered by **Javascript and REST API** Front-end Developer
HTML, CSS, JavaScript, REST API

- Built a recipe search website with **vanilla JavaScript** to search, view, track servings, and bookmark recipes, utilizing an external Recipe API for dynamic data fetching; implemented MVC architecture with npm-managed dependencies.
- **Designed a DOM updating algorithm** to track user changes in real-time without reloading the webpage, enhancing user experience by ensuring smooth, dynamic interactions.

Leadership

Media Manager & **Tech Leader** September 2023 - Present
ELab – Library Project Ha Tinh

- Developed and managed Elabrary, **a UI/UX design website** providing 500+ self-learning resources, while **leading a 12-member team** to create **200+ visuals** for the library's webpage.
- Boosted the library's online impact by 40% through innovative social media strategies and trained team members in graphic design and web management tools.