# 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: 4.00**/4.00
**Relevant Coursework:** Data Structures & Algorithms, Web Development Fundamentals, Data Modeling and Querying, Computer Architecture, Java Object-Oriented Programming, Internet Programming, Discrete Mathematics.

## Experience

**Software Development Intern**  June 2025 – August 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, and Sidekiq, focusing on frontend engineering and database management.
- 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*

- Facilitated 6-hour weekly help sessions, supporting 50 students with core web development/Computer Science concepts and providing assignment guidance, improving 40% of students' academic efficiency and 20% in test scores averagely.
- 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.

**Academic Manager**  September 2022 - September 2024
*The PEA Organization – Educational Organization Ha Tinh*

- Managed a 40-member academic team to produce 300+ educational posts and publish them on the organization's website and media page with 8,000+ followers, boosting student engagement by 40%.
- Organized six mock entrance examinations across five core subjects in 2024–2025, engaging 400+ students and volunteers in Ha Tinh, and contributing to a 60% increase in the organization's media reach.

## Technical Skills

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