THAO NGUYEN

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FORMAL EDUCATION

DePauw University, IN, United States   **August 2021 - May 2025**
Bachelor of Arts in **Computer Science** and **Mathematics,** with a minor in **Data Science**   **(Major/Cumulative GPA:** 4.0/ 3.93)

Related Coursework: Computer Science I, Data Structures and advanced Algorithms, Object-Oriented Development, Web Development, Foundation of Computation, Computer Systems, Graphics, Statistics for Professionals, Calculus I, Discrete Mathematics, Linear Algebra, Advanced Mathematics

WORKING EXPERIENCE

Amazon.com, Inc. | Incoming SDE Intern | Austin, TX, United States   **June 2023 - August 2023**

Rakuna - HR Tech Company | SWE Intern | Hanoi, Vietnam   **May 2022 - December 2022**
- Familiarized with the technology and workflow of the company
- Completed a one-month fullstack bootcamp on web development and 6 mini web projects with a focus on Ruby/Ruby on Rails
- Updated the company's legacy code and implemented new features and design edits for "CRM Email Campaign" product in more than 40 approved pull requests utilizing React as a frontend framework and Ruby/ Ruby on Rails for backend
- Identified and fixed reported UI bugs

SELECTED PROJECTS (**Github Link:** https://github.com/ntphuongthao)

Flight-Booking | Ruby/ Ruby on Rails/ PostgreSQL
- Implemented a one-way flight-booking application, allowing users to search flights with specific origin, destination, date/time, and number of passengers
- Seeded the database with approximately 10.000 modeled flights - SQLite for testing and PostgreSQL for deployment
- Utilized Bootstrap5 to enhance the application UI/UX alongside with CSS/ CSS preprocessor

Facebook | Ruby/ Ruby on Rails
- Built mockups of Facebook functions with the Model-View-Controller model
- Involved four main interactive models using one-to-many/ many-to-many relationships in its schema: Users, Posts, Comments, and Likes
- Implemented advanced features to increase complexity and flexibility: registering manually (Devise gem), authenticating with Facebook/Github account (utilizing OmniAuth gem), automatically sending email after a successful account registration (Action Mailer), scrolling news feed, interacting with other users

Phone Store | NodeJs/ ExpressJs/ JavaScript
- Connected to and monitored model updates in MongoDB database via Compass and implemented basic CRUD operations
- Utilized multiple dependencies besides Express to facilitate the project development - pug for view template, luxon for Datetime format, etc.

Omnifood Project | Vanilla HTML & CSS
- Developed a landing page for a food company, primarily utilizing HTML and CSS. UI/UX are meticulously designed for this website

TECHNICAL SKILLS

Operating Systems: Window, Linux (Ubuntu 22.04), MacOS
Programming: C/C++, C#, Java/Kotlin, Python, Scala, Ruby, JavaScript, TypeScript, HTML/CSS
Libraries/ Frameworks: , ReactJs/React Native, Redux/Redis, NodeJs/ExpressJs, Ruby on Rails, Spring/Hibernate/Maven, Bootstrap 5
Other Technologies: SQLite, MySQL, PostgreSQL, MongoDB, Tomcat (Web Server), Docker, AWS (S3, EC2, ELB, EBS, Aurora, DynamoDB)
Version Control: Git/Github, Bitbucket, Jira, Confluence
Natural languages: (Proficient) English/ Vietnamese, (Intermediate) Chinese