

THANH NGUYEN

SOFTWARE ENGINEER

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PROFILE

Recent Master's graduate in Computer Science with a proven ability to learn quickly and excel in dynamic environments. Seeking a challenging role where I can continue to grow and contribute to innovative projects.

EDUCATION

Master of Science in Computer Science

University of Illinois at Springfield | Illinois, IL

Cumulative GPA: 3.87/4.0

Graduated: July 2024

Bachelor of Science in Animal Science

University of Massachusetts at Amherst | Amherst, MA

Graduated: May 2017

TECHNOLOGY SKILLS

Programming Languages: Java, JavaScript, HTML, CSS, Ruby on Rails, R Programming Language, Scheme

Frameworks and libraries: ReactJS, NodeJS, ExpressJS, Bootstrap, jQuery, Maven, Laravel PHP (basic), Django (basic)

Databases: SQL (PostgreSQL, MySQL...), MySQL Workbench, NoSQL (MongoDB, Firebase, HBase, Neo4j)

Machine Learning and Artificial Intelligence: Supervised and Unsupervised Learning, TensorFlow, Classification, Regression, SVM, tree, Cross-Validation, Neural Network

IDEs: Visual Studio Code, RStudio, IntelliJ, Eclipse IDE, Microsoft Visual Studio, Unity, Atom

Operating Systems: Linux (Ubuntu), Windows

Version Control: Git, GitHub

Others: RESTful, MVC design, Debugging, Agile Scrum, CI/CD, TDD, JSON

Microsoft Office: Microsoft Word, Microsoft Excel, Microsoft Outlook, Microsoft PowerPoint

EXTRA TRAINING

TEKsystems, Boston, MA

Certificate in Full Stack Java Development, Feb 2022 - May 2022

General Assembly, Boston, MA

Certificate in Full Stack JavaScript Development, Feb 2020 - May 2020

PROJECTS

Queuing App | Class Project

July 2024 - Present

Queuing app with two separate authorization levels (staff, and admin). Anyone can be added to the queue, no authentication is required. Authentication is required for staff and admin. A staff can check-in/complete/deactivate a username from the queue. An admin can reactivate a username (and can perform full CRUD on other staff – to be implemented in the future).

- Purpose: to hone my JavaScript, and experience CouchDB.
- Tools: VSCode, CouchDB, NodeJS, ExpressJS, JavaScript, JSON...

Restaurant Management | Class Project

July 2024

Full CRUD (create, get, update, remove) restaurant management app.

- Purpose: to hone my JavaScript, and experience CouchDB.
- Tools: VSCode, CouchDB, NodeJS, ExpressJS, JavaScript, JSON...

Survival Island - 3D Game Development | Class Project

Feb 2024 – May 2024

A first-person player wakes up on a deserted island, a series of tasks to light a fire to signal for help and keep warm at night.

- Purpose: to learn 3D game development: collision detection, HUD...
- Tools: Unity

Todo List | Full-stack Developer | Personal Project

Jan 2024 - Apr 2024

A local Todo List where users can see, create, update, delete a task, and check if completed—one-to-many relationship.

- Purpose: to learn Ruby Rails, Bootstrap, and PostgreSQL.
- Tools: Ruby Rails, HTML(erb standard), CSS, bootstrap, PostgreSQL database.

Broker Platform | Full-stack Developer | Optum

Oct 2022 - Nov 2022

A platform to connect brokers and consumers in the Healthcare Industry. Implemented PWA concepts.

- Successfully created and implemented a PWA to easily connect consumers to brokers.
- PWA concepts implemented: offline mode, push notification/email reminder.
- Tools: JavaScript, ReactJS, react-router-dom, Axios, ExpressJS, NodeJS, ServiceWorker, MySQL.

WORK EXPERIENCE

Full-Stack Developer

TEKsystems at Optum | Boston, MA

May 2022 - Nov 2022

- Developed and implemented a Progressive Web App (PWA) using JavaScript, ReactJS, and NodeJS to connect consumers with brokers in the healthcare industry.
- Collaborated with a team on agile sprints to refine ideas, build prototypes, and deliver projects.
- Contributed to improving traffic, conversion rates, and user education through innovative ideas.

Interim Staffing Coordinator

Amazon | Stoughton, MA

Sep 2020 - Jan 2022

- Processed 20-90 candidates per day in shift selection, background check, and drug test.
- Extended contingent offers to candidates as part of Amazon's hiring process.
- Ensured supplies were stocked for the following events.

OTHER EXPERIENCE

Peer Tutor and Troubleshooting Support

- Provided one-on-one tutoring sessions in data structures, algorithms, and programming languages (Java, JavaScript).
- Assisted students with debugging code and resolving technical issues in their projects.
- Developed and shared resources, such as study guides and example problems, to facilitate independent learning.
- **Key Skills:**
 - Technical tutoring: experienced in explaining difficult concepts more simply.
 - Troubleshooting: skilled in identifying and resolving coding and technical issues.
 - Communication: the ability to communicate effectively with different stakeholders.

LANGUAGES

Fluently in Vietnamese and English.