

NGUYEN DUY PHUC LE

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EDUCATION

University of South Florida, Judy Genshaft Honors College
Bachelor of Science in Computer Science – GPA: 4.0
Scholarships: USF Green & Gold Presidential

May 2028
Tampa, FL

TECHNICAL SKILLS

Languages: Python, C/C++, JavaScript, HTML/CSS, SQL
Frameworks: React, Node.js, Flask, ExpressJS, PyTorch
Developer Tools: Git, GitHub, MongoDB, VS Code, Canva
Certifications: CS50X Introduction To Computer Science, FullStackOpen Part 1 – 7 Certifications

EXPERIENCE

Undergraduate Research Assistant
University of South Florida

September 2024 – Present
Tampa, FL

- Performed research on Large Language Models and the limitations of current LLM systems
- Developed practical examples to train the LLM based on research papers to detect vulnerabilities in household smart applications
- Explored prompt tuning to fine-tuning LLM agents, RAG and Neural Networks

PROJECTS

The Directory | *MongoDB, ExpressJS, React, NodeJS, CSS*

<https://the-directory.onrender.com>

- Provided real-time website with over 30+ useful links for learning materials
- Decreased loading time by effectively using backend query handling with Mongoose and ExpressJS
- Ensured security and storage by creating REST API endpoints with user authentication and using MongoDB for subscriptions.
- Created animated and interactive user interface with CSS

The Country Info | *MongoDB, ExpressJS, React, NodeJS, Rest APIs*

<https://lenguyenduyphuc.github.io/CountryInfo/>

- Created a website to fetch data from the University of Helsinki APIs, showing information from over 50+ countries
- Implemented sorting and searching algorithms to look up the required countries.
- Made a modern React user interface with styling from CSS to boost user engagement and interactions

Portfolio | *React, CSS, GSAP Animations*

<https://lenguyenduyphuc.github.io/Portfolio/>

- Developed a personal website to showcase my skills and personality.
- Utilized React to build a responsive and interactive branding website and implemented GSAP animations library to create smooth animations

Walle Robot | *C++, Arduino, TinkerCAD*

https://drive.google.com/file/d/1tWpxLDCjQGyHr2IHirNbqVrjXzzh8_xQ/view

- Worked in a team as a Software Lead, overseeing the robot functionality and programming codes
- Achieved a 90% success rate in navigation by engineering precise algorithms for trap doors, hand movement, and obstacle detection