

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

Tampa, FL
May 2028

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

September 2024 – Present

University of South Florida

Tampa, FL

- Performed research on Large Language Models and how to detect vulnerabilities in household smart applications
- Developed practical examples to train the LLM based on research papers to detect vulnerabilities
- Explored prompt tuning Large Language Models, 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, RestAPIs*

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

- Created a website to fetch data from the University of Helsinki APIs, showing information off 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

WALLIE 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