

# Nhien Loc Bui

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## EDUCATION

### Oregon State University - College of Engineering

Corvallis, OR

*Masters of Engineering in Computer Science*

*Sep 2024 – Expected graduation: Jun 2026*

### Vietnamese-German University and Frankfurt University of Applied Sciences

Vietnam

*Dual Bachelor of Science in Computer Science*

*Sep 2019 – Sep 2023*

## EXPERIENCE

### Full-stack Developer

June 2023 – Dec 2023

*Data Center - VNU.HCM Information Technology Park (ITP)*

*Vietnam*

- Led the development of a web-based online learning platform for students under the Vietnam National University, employing REST API, React, and Django to create a seamless learning experience.
- Designed and implemented a student attendance tracking system leveraging IoT technologies to improve monitoring accuracy and reduce administrative overhead.
- Collaborated with cross-functional teams to gather requirements and develop software solutions that addressed real-world educational challenges.
- Regularly conducted code reviews and provided constructive feedback to ensure code quality and adherence to best practices throughout the development lifecycle.

### Backend Developer Intern

Mar 2023 – Jun 2023

*Data Center - VNU.HCM Information Technology Park (ITP)*

*Vietnam*

- Communicate with managers to set up campus computers used on campus
- Assess and troubleshoot computer problems brought by students, faculty and staff
- Maintain upkeep of computers, classroom equipment, and 200 printers across campus

## PROJECT

### Artificial Intelligence in the Internet of Things using NVIDIA Jetson Nano

Mar 2023 – Nov 2023

*Python, Flask, React, PostgreSQL, Docker, Celery, Redis*

- \* Integrated AI into IoT and was part of my Bachelor's thesis, enhancing functionality and user experience.
- \* Utilized YOLOv8 on the NVIDIA Jetson line of products to create real-time object detection applications.
- \* Designed architecture, and developed applications.
- \* Implemented into Vietnamese-German University as an attendance-checking system using facial recognition.

### MÜSS - Blockchain System

Oct 2022 – Jan 2023

*(JavaScript, Java, Go, CSS)*

- \* Developed a blockchain-supported platform that enables buyers and developers to transact software products' license keys safely
- \* Operated Hyperledger Fabric framework with Auth-related processes and Data Integrity support
- \* Implemented continuous delivery using TravisCI to build the plugin upon new a release
- \* CWrote APIs, handed Hyperledger Fabric logic, and UI/UX implementation

## TECHNICAL SKILLS

**Front-end:** HTML, CSS, JavaScript, React, TypeScript

**Back-end:** C/C++, C#. Java, NodeJs, Python, Flask, Django

**Database:** MySQL, MongoDB, NoSQL, PostgreSQL

**Tools:** Git, Microsoft Office, Notion, Docker, Oracle Virtual Machine, Google Cloud Platform, VS Code,Insomnia

## CERTIFICATES

Meta Back-End Developer Certificate | **Meta, Coursera** | *Apr 9, 2024*

IT Security: Defense against the digital dark arts | **Google, Coursera** | *Dec 10, 2022*

Top 24% in the DEADFACE CTF 2024 Competition - Oregon State University | Cyber Hacktics | 2024