

# MINH NGUYEN

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## Education

### Florida State University

Bachelor of Science in Computer Science (GPA: 3.9)

Expected Graduation May 2026

Tallahassee, Florida

## Honor

- 1st Place in ACM Programming Contest Lower Division at FSU in Fall 2023.
- 2nd Place in Cau Giay District Young Informatics Contest for Competitive Coding (2022).

## Experience

### Florida State University - MLab

Research Assistant

Sep 2024 – Present

Tallahassee, Florida

- Collaborating with the MLab team to explore AI and machine learning applications in creating synthetic media for training models.
- Conducting in-depth research and analysis to improve the efficiency of machine learning algorithms in synthetic media generation.

### FPT Software Company

Software Engineer Intern

July 2024 – August 2024

Hanoi, Vietnam

- Developed a highly efficient comment API by optimizing code and system architecture to address slow response times, reducing them by 30% and enhancing client satisfaction.
- Streamlined MySQL database versioning and migration processes using Flyway, ensuring seamless updates and consistency across environments.
- Conducted thorough peer reviews of team members' code submissions, identifying five potential vulnerabilities before deployment and contributing directly towards improving overall software quality across projects undertaken.
- Achieved 85% unit test coverage by writing comprehensive tests, ensuring high code quality and robust functionality while consistently passing all tests.

## Projects

### Film Rental System | Spring, Hibernate, MySQL, Docker, Bootstrap, JQuery

July 2024 - August 2024

- Developed a movie rental project utilizing the Spring Framework and Hibernate for robust backend functionality, enabling customer to hire desired movies.
- Configured a user-friendly interface with HTML, Bootstrap, JavaScript, and Thymeleaf, improving user engagement and interface flexibility.
- Implemented secure user authentication with Spring Security and JWT, ensuring data protection and authorized access.
- Used Git for version control and Docker for consistent environment configuration, ensuring smooth collaboration and deployment.

### Analysis on Food Crisis | Python, Tableau

August 2022 - October 2022

- Imported data from FAO to ensure accuracy and relevance, and cleaned and pre-processed a dataset of over 7,000 records using the Pandas library
- Analyzed and visualized the global surge in food prices using Tableau, presenting insights to over 100 students at FPT Academy on causes, solutions, and broader implications.

## Leadership / Extracurricular

### Codeplex Coding Club

President

September 2023 – May 2024

Nguyen Sieu High School

- Led a club with 15 core members and grew it to over 50 active participants by creating engaging coding articles, managing exciting research projects, all of which significantly boosted member involvement and learning.

### Coding Class

Mentor

July 2022 - August 2022

Fresher Academy

- Guided 15 students in basic C++ by designing and administering homework and quizzes, assisting with final coursework, and grading their work, resulting in improved understanding and successful completion of the course.

## Technical Skills

**Languages:** Python, Java, C++, HTML/CSS, JavaScript, SQL

**Developer Tools:** VS Code, IntelliJ, AWS

**Technologies/Frameworks:** Linux, GitHub, JUnit, Hibernate, Docker