

NAM HUYNH

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900 E Lindsey St, Norman, OK 73071

EDUCATION

University of Oklahoma

B.S. in Computer Science

Aug 2020 - May 2024

GPA: 3.92/4.0

Dean's Honor Roll (Spring 2021 through Fall 2023)

University of Oklahoma

Ph.D. in Computer Science Aug 2024 - May 2029

GPA: 3.5

Galogly College of Engineering PhD Recruitment

Excellence Fellowship 2024

SKILLS

- Core understanding of Java, C++, Python, and OOP (Object Oriented Programming)
- Mathematic
- Frontend developer skills of Javascript, HTML, CSS
- SQL (PostgreSQL)
- Machine Learning

EXPERIENCE

Galogly
College of
Engineering
Norman, OK

Graduate Research Assistant

Aug 2024 - Now

Conduct research in AI, machine learning, and data science, focusing on model development, data analysis, and optimization. Apply advanced techniques to solve real-world problems across various domains.

Galogly
College of
Engineering
Norman, OK

Undergraduate Research Assistant

May 2024 - Aug 2024

Conduct research in AI and Machine Learning; including analyze large datasets using data cleaning and preprocessing techniques and assist in developing and testing machine learning models using Python and libraries such as Pytorch and scikit-learn.

Galogly
College of
Engineering
Norman, OK

William Kerber Teaching Scholar

Jan 2023 - May 2024

Work together with three other CS students to tutor and assist underclassmen in subjects such as Data Structures, Computer Organization, Discrete Structures, Principles of Programming Languages, Theory of Computation.

OU Math
Center
Norman, OK

Math Tutor

Aug 2022 - Dec 2022

Worked together with other students to tutor underclassmen in low-level Math courses such as Calculus I, Calculus II.

Unit Corp
Ho Chi Minh City
Vietnam

Java Intern

June 2022 - Aug 2022

Worked together with a team to develop the products for finance and business management. The main work is to manage data and develop the front end and back end of the web app.

PROJECTS

Paperless | Java, SQL, Maven

2022

- Developed a full stack web application using Java in Springboot
- Using SQL to store customers' data, statistical and overview report tables
- Developed a customized dashboard with statistical tasks including pending tasks from different departments

Chattler | Java, Javascript, STOMP, Maven

2023

- Developed a real-time chat application using Spring Boot, WebSocket, and STOMP in full-stack development
- Implemented user connection, disconnection, and message handling, ensuring dynamic updates of active users

Automated UML Diagram Reconstruction with Language Models

2024

- Train models like LLaVA and InternVL to reverse-engineer SysML/UML code from diagram images.
- The models are trained on a dataset of 14,992 UML diagrams and evaluated using metrics such as BLEU, SSIM, and MSE, demonstrating significant improvements in accuracy and reliability through fine-tuning and statistical analysis.