Nguyen(Noah) Hong Anh Khoa

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Canada
Full stack software engineer

TECHNICAL SKILLS

Languages: Python, Java, C, C++, SQL, JavaScript, TypeScript, HTML/CSS, ARMv8 Assembly
Frontend: React.js, Streamlit
Backend: Flask, Django, SpringBoot
Developer Tools: Git, GitHub, GitLab, Docker, VS Code, Visual Studio, IntelliJ
Databases: PostgreSQL, MySQL, MongoDB
Cloud Platforms: AWS

EDUCATION

University of Calgary   Calgary, AB
Bachelor of Science in Computer Science   *Sept 2023 – May 2027 (Expected)*

- Science Internship / Co-op Program
- Faculty of Science Dean's List 2023-2024
- Relevant Coursework: Data Structures, Algorithms and Complexity Analysis, Relational Database Management Systems, Java Objected-Oriented Programming and Designs, Operating Systems, Computing Machinery, Machine Learning, Web Based Systems

EXPERIENCE

Deep Learning Software Developer Intern   July 2025 – September 2025
FPT Software   *Hybrid*

- Collaborated with a team of 6, developed a Deep Learning based system to detect and classify car defects like scratches, dents, paint chips, etc., using PyTorch and OpenCV.
- Trained YOLOv8 model on an open-source dataset to detect and classify car defects (dents, scratches, etc.) with 90%+ accuracy. Trained Mask R-CNN model for anomaly detection of X-ray images of car parts detection with 95% accuracy
- Built a web-based application using FastAPI and React.js, with PostgreSQL database to showcase the model's results, allowing users to upload images and receive real-time feedback on car defects.

Odoo Software Developer Intern   May 2025 – July 2025
Leonix Vietnam   *Remote*

- Consulted, developed and customized core ERP modules within the Odoo framework using Python and PostgreSQL for backend, JavaScript for frontend. Directly contributed to the development of comprehensive ERP solutions for a business client which increased the revenue by 15% by optimizing inventory management using Odoo ERP.
- Conducted tests for Odoo application with pytest. Setup CI/CD pipelines using GitHub Action.
- Achieved 30% increase in productivity and resource allocation for clients by integrating LLM API to automate core functionality in ERP modules such as automated invoice, CRM, sales, workflows, human resources, etc.
- Collaborated in an Agile environment to design and implement new features, troubleshoot bugs, and perform system optimizations, ensuring robust performance and reliability of deployed Odoo applications

PROJECTS

LifeSync | *Python, Flask, React, MongoDB, Gemini API*   April 2025 – June 2025

- Developed a full-stack web application using Flask for REST API backend, React and TypeScript for frontend, and MongoDB for database. Implemented user authentication with JWT. Integrated Gemini API for task generation and automatic scheduling.
- Containerized the application using Docker, enabling easy deployment and scalability across different environments.
- Achieved roughly 30% increase in productivity by tracking and managing daily tasks, deadlines, with help of AI.