

Phong Xuan Thanh Nguyen

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EDUCATION

Bachelor of Science in Computer Engineering

Wright State University, Dayton, OH

Expected August 2029

GPA: 4.0/4.0

EXPERIENCE

Stanford University | Code in Place

Section Leader

Apr. 2026 – Present

Remote

- Instructing Python fundamentals and problem-solving to beginners using the Stanford CS106A curriculum.

Terascale All-sensing Research Studio (TARS) | Wright State University

Undergraduate Research Assistant

Jan. 2026 – Present

Dayton, OH

- Conducted research on multi-modal sensing and human–VR interaction using **Unity** and **Meta Quest 3**.
- Synchronized biometric hardware (**Polar H10, Orbbec**) with VR systems to collect and analyze real-time physiological and spatial data for user behavior modeling.

Computing and telecommunications services (CaTS) | Wright State University

Video Production Assistant

Nov. 2025 – Present

Dayton, OH

- Operate professional broadcast cameras and perform real-time technical adjustments during live ESPN+ sports productions and campus events
- Collaborate with production teams to ensure high-quality video output, smooth transitions, and accurate shot composition

LEADERSHIP, PROJECTS AND AWARDS

RevolutionUC 2026 Hackathon – VoxVitals | University of Cincinnati

Lead AI & Full-stack Developer

Feb. 2026

Cincinnati, OH

- AI & Computer Vision: Fine-tuned YOLOv8 (773 labels) to 0.995 mAP50; integrated OCR and RAG across 20,000+ FDA records for real-time medication safety guidance.
- Architecture: Deployed Dockerized FastAPI microservices with Next.js and Supabase to support high-concurrency, asynchronous clinical decision workflows.
- **Prizes: 3rd Place Medpace Sponsor Challenge; Major League Hacking (MLH) - "Best Use of Presage" award among 152+ participants**

IT-Wright Hackathon 2026 - MediSearch | Wright State University

Leader & Presenter

Feb. 2026

Dayton, OH

- Led a team to build a full-stack web app for eye-health information: browse conditions, get AI-powered symptom suggestions, and make reservations (**React, Node.js, MongoDB**)
- **Prize: Innovation Pioneers Award Winner**

BK Athletics Fanpage

Founder & Manager

Oct. 2024 – Jul. 2025

- Built and scaled a student sports community from **0 to 1,800+ followers** through organic growth strategies
- Analyzed **Meta Business Suite insights** to optimize content performance, reaching **70.6K views and 7.6K visits** within the first three months of launch
- **Prize: Top 51 Excellent Community Projects; The most active class**

TECHNICAL SKILLS

- **Languages:** Python, C++, Java, SQL, HTML, CSS, JavaScript
- **AI/Machine Learning:** Deep Learning, Computer Vision (YOLO, OpenCV), PyTorch, TensorFlow
- **Data Science:** Statistical Analysis, Data Visualization (Pandas, Matplotlib), Numpy
- **Tools:** Git, GitHub, Google Colab, VS Code, Jupyter Notebook
- **Productivity & Design:** Microsoft Office Suite (Excel, Word, PowerPoint, Outlook), Google Workspace.

CERTIFICATIONS

- [Machine Learning Specialization](#) | Stanford University
- [Python for Data Science, AI & Development](#), [Data Analysis with Python](#), [Databases and SQL for Data Science with Python](#), [Data Science Methodology](#), [Tools for Data Science](#) | IBM
- [Computer Vision Onramp](#) | Matlab
- [Gemini Certified Educator](#); [Gemini Certified University Student](#) | Google