



UPH Universitas
Pelita
Harapan

**#BEYOND
ACADEMICS**

DISCOVER
YOUR
PASSION



FACULTY OF ARTIFICIAL INTELLIGENCE

Undergraduate
Program
2025

DISCOVER YOUR EDGE IN THE GLOBAL AI INDUSTRY

Ready to shape the future with AI? Join the first university in Indonesia to offer an international AI program designed to get you industry ready. You'll dive into real projects, learn from global experts, and train in high tech labs that bring ideas to life. Whether it's tech, healthcare, finance, or entertainment, AI is everywhere and you'll be at the heart of it. With hands on learning, international research opportunities, and guaranteed job pathways after graduation, this is more than just a degree it's your launchpad into one of the world's fastest growing industries. Let's build the future together!

BE A PART OF "INDONESIA'S LEADING AI INSTITUTION"

Join the first university in Indonesia offering an AI program with international faculty and industrial ties.

"Artificial Intelligence is a critical field reshaping our world, with businesses rapidly investing in its capabilities. The future will require AI professionals who combine global technological expertise with Indonesia's unique local wisdom. The Faculty of Artificial Intelligence at UPH offers a pioneering program led by renowned faculty and bolstered by strong industry partnerships."

~ Rizaldi Sistiabudi BSE, MSE, Ph.D..
Dean of Faculty of Artificial Intelligence



EXPLORE YOUR AI JOURNEY

Get ready to dive into the thrilling world of AI! This exciting program will immerse you in groundbreaking technologies like Machine Learning, Deep Learning, Computer Vision, and Natural Language Processing. You'll explore Generative AI and Large Language Models while engaging in hands-on projects and internships that prepare you for the real world. After graduation, a wealth of dynamic career opportunities awaits, including roles as an AI Engineer, Data Scientist, or Machine Learning Engineer. If leadership or research sparks your interest, you could become an AI Product Manager or Robotics Engineer. Whatever path you choose, this program will equip you with the skills to excel in the rapidly evolving AI landscape. Join us and unleash your potential!

The AI Program at UPH is designed to equip students with the foundational knowledge and skills to excel in all aspects of AI, both practical and theoretical. Students will have the opportunity to learn from an international faculty of AI professionals and researchers from China, the US, and other leading countries. Through strategic partnerships, students will collaborate with industry experts and gain insights from lecturers with real-world experience.

The program emphasizes hands-on learning, providing students with the chance to work on AI applications that have a direct business impact.

The curriculum emphasizes a strong mathematical and logical foundation and giving students the opportunity to apply their knowledge through real world AI projects in the industry or advance AI development through research.



Partners

Work Providers



Academic

International



Academic Dean and Dean Profile



Academic Dean Faculty of Artificial Intelligence

Wang Bin, Ph.D., is a researcher specializing in **Computer Vision, Medical Image Analysis, and Computer Graphics**. He earned his doctorate from **Zhejiang University and Johns Hopkins University**. His work includes self-supervised video representation learning, knowledge graph embedding, and gastroscopic lesion surveillance. In addition to research, he **teaches AI, Data Structures, and Deep Learning**.

Wang Bin

Doctor of Philosophy in Biomedical Engineering and Medical Image Analysis
Directions at Zhejiang University and John Hopkins University



Dean Faculty of Artificial Intelligence

Rizaldi Sistiabudi Ph.D. is a distinguished leader in **biomedical engineering, entrepreneurship, and technology**. Earning his doctorate from **Purdue University**, his past research focused on **issue engineering, nanotechnology, and drug delivery**. He has published numerous scientific journal articles and patents. His experience in technology development includes leading commercialization efforts at the **Alfred Mann Institute for Biomedical Development and founding several startups in Indonesia**. He currently serves as the **CEO of PT. Realta Chakradarma**, one of Indonesia's leading ICT solutions company. Dr. Sistiabudi is dedicated to mentoring the next generation and advancing interdisciplinary innovation in both **academia and industry**.

Rizaldi Sistiabudi Ph.D.

Doctor of Philosophy in Biomedical
Engineering, Purdue University

UPH AI Faculty Team

RESEARCH FOCUS

KEYWORDS

TEACHING



Liu Hantang (Ph.D., Zhejiang University)

Interpret architectural structures and generate 3D building models

- **Facade Parsing with AI:** Improved AI's ability to interpret architectural structures
- **AI Tracking Systems:** Built robust tracking models for AI applications

Advanced C++, Reinforcement Learning, Linear Algebra

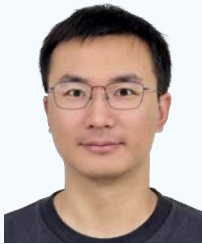


Feng Yutong (Master's, Tsinghua University)

Foundation model training and visual generative AI

- **Text-to-Image AI Models:** Created Ranni, a system improving AI's ability to generate images from text
- **Large Model Training:** Developed Tongyi Wanx, Alibaba's foundation model on visual generation

Computer Vision, AI Research Frontiers



Chen Zonghao (Ph.D., Shanghai Jiao Tong University)

Computer vision and generative AI

- **AI for Panoramic Depth Perception:** Created AI tools for better depth estimation

Programming, AI, Image & Video Generation



Zhao Xin (Ph.D., University of Science & Technology of China)

Computer vision, video processing

- **GOT-10k:** A large AI benchmark for object tracking
- **BioDrone:** AI vision tracking for drones

Image Processing, Deep Learning



Andree E. Widjaja (Ph.D., National Cheng Kung University)

Artificial Intelligence Adoption and Use, Behavioural and Management Information Systems, Cyber-Psychology.

- Investigating the critical success factors of AI implementation
- Behavioral and Management Information Systems: Examining the use of Technology and its Impacts on users' behaviors.

- Business Intelligence Analytics
- Statistics and Probability
- Human-Computer Interaction
- Management Information Systems
- IT Security and Risk Management

UPH AI Faculty Team

RESEARCH FOCUS

KEYWORDS

TEACHING

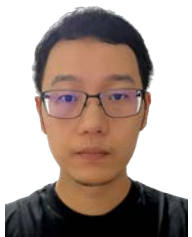


Wang Zhe (Ph.D., Nanyang Technological University)

Sustainable AI, model compression, edge AI

- **YouTube-8M:** Multimodal video classification project
- **Neural Network Pruning:** Created efficient model compression techniques

Courses on Deep Learning, Linear Algebra at Peking University



Shijie Li (Ph.D., Bonn University)

Embodied AI and Vision-Language Models

- **3D Visual Grounding (3DVG):** Developed SeeGround, a model improving 3D object identification in augmented reality

Programming Fundamentals, AI Introduction

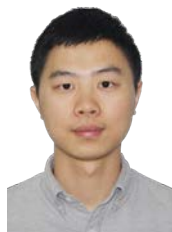


Hu Shiyu (Ph.D., Chinese Academy of Sciences)

AI for psychology and vision tracking

- **AI-Based Psychological Assessment:** Developed intelligent psychological testing tools
- **AI Tracking for UAVs:** Created tracking systems for drones

AI, Calculus, Linear Algebra



Wenjie Yang (Ph.D., Chinese Academy of Sciences)

AI for e-commerce and computer vision

- **Livestream Product Recognition:** Built AI models for online shopping
- **Cross-Domain AI Representation:** Created tools to unify AI understanding across media

AI, Image Processing, Deep Learning



Eden Steven (Ph.D in Physics, Florida State University)

Applied Artificial Intelligence in IoT Systems and Robotics

- **AI in Robotics:** Developed AI-Enabled Vision and Robotics Systems for Badminton and Tennis Applications
- **AI in IoT:** Developed LLM-Integrated Sleep Monitoring and Air Quality Prediction Systems

• Human-Computer Interaction
• IoT
• Computer Vision
• Robotics

“Artificial Intelligence is the new electricity.”
— Andrew Ng

RESEARCH FOCUS

KEYWORDS

TEACHING



Tian Shu (Ph.D., University of Science & Technology Beijing)

Object detection and AI for scene text recognition

- **AI for License Plate Detection:** Developed models for better recognition under real-world conditions

C++, AI, Discrete Mathematics



Sijie Ren (Ph.D. Candidate, Fudan University)

Causal inference and medical AI application

- **AI for Medical Imaging:** Developed AI models for Alzheimer's and polyp detection
- **Health Prediction Models:** Built systems to analyze children's vision development

Calculus, Machine Learning, AI



Xu Rui (Ph.D. Candidate, Fudan University)

Role-playing AI agents and large language models

- **Personality in AI Agents:** Developed psychological assessment methods for AI characters
- **Role-Playing AI Models:** Created datasets and frameworks for AI-driven decision-making

AI, Probability & Statistics, Algorithms



Roberto Evans (M.Sc, Tsinghua University)

Multimodal Learning, Sentiment Analysis, Intent Recognition, Machine Learning, Artificial Intelligence

- **MIntOOD:** Multimodal Classification and Out-of-distribution Detection for Multimodal Intent Understanding

Natural Language Processing, Machine Learning



UPH Students



UPH



FACULTY OF
ARTIFICIAL
INTELLIGENCE

LIPPO VILLAGE CAMPUS

Jl. M.H. Thamrin Boulevard 1100, Lippo Village
Tangerang 15811, Banten - Indonesia



START TODAY!