

CURRICULUM VITAE



TUAN ANH, NGUYEN AI LEADER

CAREER GOALS

Contributing to improving AI products, creating useful products.

WORK EXPERIENCE



HEAD OF AI DEPARTMENT | 2/2022 - till date

Foxconn Group, Quang Chau Industrial Park - Bac Giang

- **Orientation to use AI:** the mission of driving AI for businesses, to ensure AI is used to solve important problems and create value for businesses, such as cutting unskilled workers, improve productivity, product quality, limit rework.
- **AI Employee Management:** Manage new and old employees, distribute work, monitor projects, and ensure that everything is going according to plan.
- **Create total AI solutions:** Each year, each department has a list of indicators. Head of AI must create total AI solutions for the business, ensuring that all solutions meet the needs and goals of the business. For example: Reduce personnel, increase labor productivity, improve product quality.
- **AI Consulting:** Leaders in a company are mostly non-technical people. As the head of the AI department, consult the leaders on the use of AI, explain the pros and cons of the solutions, and help them decide on which to use AI and what steps to take.
- **Expense management:** The head of AI must manage costs for all AI projects, ensuring that every employee's working time is profitable for the business.



AI LEADER | 2/2022 - till date

Foxconn Group, Quang Chau Industrial Park - Bac Giang

- **AI knowledge:** Thorough understanding of AI techniques, algorithms and technologies in the field of Visual Inspection of Computer Vision, to be able to propose and implement suitable AI solutions in this field.
- **Leadership and direction:** Having experience and ability to lead a team of up to 35 people, navigate the direction of AI use of the department and help businesses take advantage of the full potential of AI, the potential of each employee.
- **Management and administration skills:** Ability to manage resources and administer AI projects, ensuring that projects are completed within the expected time and cost.
- **Critical and creative thinking skills:** Ability to think critically and creatively, to find new features, more effective ways to use AI for products in their fields..
- **Communication and performance skills:** Able to communicate and present clearly, to introduce and explain AI solutions to leadership.

PERSONAL INFORMATION

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- 25D, Tich Luong, Thai Nguyen, Vietnam

SKILLS

HEAD OF AI DEPARTMENT

- Orientation to use AI
- AI Employee Management
- Create total AI solutions
- Consulting on AI
- Expense management

AI LEADER

- Knowledge of AI is deep and wide enough
- Project creation and management skills
- Orientation and leadership skills
- Critical thinking skills
- Communication and performance skills

AI SENIOR DEV

- Knowledge of Deep Learning
- Python programming (+ other languages)
- Data savvy
- Model Deployment
- Model testing and evaluation
- Counseling and supporting colleagues

AI LECTURER

- Knowledge of Deep Learning
- Practical experience
- Teaching skills
- Research capacity
- Communication skills
- Attention to students/students

FOREIGN LANGUAGE

- English: ★★★★★
- Chinese: ★★★



AI SENIOR DEV | 2/2022 – till date

Foxconn Group, Quang Chau Industrial Park - Bac Giang

- **Knowledge of Deep Learning:** Having enough knowledge about this field and can apply in business. Specifically, applied to the QA/QC segment of production lines, applied to software supporting task automation for office workers.
- **Programming:** Currently, the main capacity is Python, coding most of the complex and important tasks that the members have not been able to do yet.
- **Ability:**
 - Understanding of data, to plan methods to get & process data
 - Deploy the model: The model fits the problem
 - Test & evaluate: When the model is good enough to apply
 - Consulting and supporting colleagues to implement projects
- **Results:**
 - Only 9 months, the department has exceeded the target of 2022.
 - **Personal:**
 - Creating an AI software called IVIS, all-in-one integration for QA/QC, by the end of 2022, has successfully integrated 12 Projects, each Proj has from 1 to 30 different product models. IVIS also supports staff to self-deploy IVIS for some new products.
 - Create 3 software to support office staff, save them 80% of the total amount of work
 - Collective:
 - Create a tool to collect data and create a quick data warehouse, which can shorten the time to make data from 1 month to 3 days.
 - Create a lot of software to support other parts.



PhD. RESEARCHER | 9/2016 - 12/2019

South China University of Technology, Guangzhou, China

- PhD student in the field of Speech Recognition
- Research other areas: related to Speech, Image and Deep Learning.
- Publish 11 scientific research articles
(<https://scholar.google.com.vn/citations?user=BWPINxkAAAAJ>)



AI R&D | 9/2016 - 12/2019

GRG Banking Equipment Co., Ltd. Guangzhou, China

- Research on fingerprint recognition for time attendance system
- Research on Object Detection for ATM anomaly recognition system
- Research on Object Checking for subway automatic entrance and exit tracking system



LECTURER | 7/2005 - 12/2022

Thai Nguyen University of Technology, Vietnam

- University Lecturer, majoring in Computer Engineering
- Teaching subjects related to hardware, software, embedded software and AI



STARTUP

Tam Thai An International Co., Ltd | 5/2014 - 12/2016

- Co-Founder & Technical Director of the company, responsible for the company's engineering
- Main mission: research and production of cosmetics

Hoang Lien Automation Co., Ltd | 4/2008 - 12/2014

- Co-Founder & Technical Director of the company.
- The main task is to code the software for industrial production machines, automation

EDUCATION

- **PhD Student** : South China University of Technology, China, 2016 – 2020
- **MASTER**: University of Information and Communication Technology, Vietnam.
Major: Computer Science, 2007-2009
- **ENGINEER** : Thai Nguyen University of Technology, Viet Nam,
Major: Information Technology, 2000-2005

KEY PROJECT



IVIS - INTELLIGENT VISUAL INSPECTION SYSTEM | 8/2022-now

Client: Fuyu Precision Component Co., Ltd.

Number of participants: 8

Position: AI Leader

System design, project documentation, task assignment of members, main code, integration of members' small projects to form an AI bonded inspection system.

Technology used

Object detection, Image Processing, Cloud Computing, ...