



PHAM QUANG PHUC

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[Linkedin Profile](#) | [My github](#) | [My personal website](#)

Education

Vietnam Maritime University

BSc in Information Technology.

GPA: 3.28/4.00

HaiPhong, VietNam (10/2020 - 07/2024)

Prizes

Prospective prize in Data-centric AI Competition 2021 (FPT Software).

Attendance System Based on Facial Recognition

- Developed a face mask recognition system during the Undergraduate Scientific Research program (2021–2022) amid the COVID-19 pandemic.
- Utilized ArcFace for facial identity recognition and implemented diverse data augmentation techniques to incorporate face masks into training data.
- Improved robustness by employing global and local threshold techniques, enhancing the accuracy of predictions.

Consolation prize in University-level undergraduate research 2022 – 2023

Developing a Fire Detection System Using Deep Learning Techniques

- Created a fire detection system utilizing security cameras during the Undergraduate Scientific Research program (2022–2023).
- Collected and annotated a dataset on fire and smoke by scraping publicly available sources and applied pseudo-labeling.
- Trained the model using YOLOv8 and optimized it through hyperparameter tuning, achieving high detection accuracy for real-world applications.

Scholarship for the academic year 2022–2023

Outstanding student award for scientific research 2022-2023

Experiences

UNIVERSAL SCIENTIFIC INDUSTRIAL VIETNAM - Industry 4.0 Engineer

07/2024 - present

- **Managed Continuous Improvement Projects (CIP)** for production lines, collaborating closely with customers and cross-functional teams to enhance **performance** and ensure **product quality**. Key responsibilities included:
 - **Discussing and aligning project objectives** with customers, focusing on improving **UPH**, **yield rate**, increasing **automation levels**, and enhancing **product quality**, followed by **updating project progress** with customers as scheduled.
 - **Coordinating with internal departments** to prepare for **audits**, implement **corrective actions**, and improve **production processes**.
 - Despite investments in **automation** and **workforce**, implemented **cost-saving** actions during production ensured a **payback period** of under **one year**.
- **Liaised with engineering teams and clients** to ensure successful execution of projects.
- **Developed custom software for factory digitalization** based on client and company requirements.

MES Team Tool

- Created a data querying tool for the Shopfloor IT department.
- Gathered requirements and aligned the software with operational needs.
- Improved workflows with user-friendly interfaces and optimized performance.

Test Automation Platform for Web API

- Built a platform for automated and manual web API testing.
- Defined test scenarios and managed the testing process for quality assurance.
- Implemented real-time reporting to enhance efficiency and reduce testing time.

Synchronize Data from Local to SFTP Server

- Developed a script for secure data synchronization between local and SFTP servers.
- Ensured data integrity with robust error handling.
- Integrated the solution into the company's IT infrastructure collaboratively.

VNNET - Mobile developer intern

08/2022 - 11/2022

Water supply management mobile app

- Develop application frontend for mobile app.
- Learn about the process of implementing a software project.
- Know how to work in groups and cooperate with other team members to develop products.

Skills

Project Management Skills

- **Experienced in project management**, with expertise in **planning**, **timeline management**, and **risk assessment** to ensure successful project delivery.
- **Knowledgeable in methodologies** like **Waterfall**, **Agile**, and **hybrid approaches**, applying the best practices for various projects.
- **Proficient in leveraging tools** to enhance project management efficiency and execution.
- **Skilled in managing Continuous Improvement Projects (CIP)** to drive process optimization and performance.

Technical Skills

- **Experienced in programming** with a strong focus on **web development and application design**, leveraging modern technologies to deliver effective solutions.
- **Proficient in data integration**, specializing in **real-time data exchange** using advanced technologies for **Industry 4.0 applications**.
- **Skilled in production line optimization**, utilizing tools like simulation and modeling for enhanced efficiency.

Soft Skills

- **Analytical and problem-solving skills**, addressing complex challenges effectively.
- **Communicate seamlessly**, bridging gaps between **technical and non-technical stakeholders**.
- **Collaborative and team-oriented**, fostering a productive and supportive work environment.
- **Adaptable and dedicated to continuous learning**, staying updated with evolving industry trends.

Languages

- English: 600 TOEIC

Office

- [Microsoft Office Specialist Word 2013](#)
- [Microsoft Office Specialist Excel 2013](#)