



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).
- Consolation prize in University-level undergraduate research 2022 – 2023.
- Scholarship for the academic year 2022 – 2023.

Experiences

VNNET

IT Intern

HaiPhong, VietNam

08/2022 - 11/2022

- Participate in developing water supply management app for smartphone using React Native.

UNIVERSAL SCIENTIFIC INDUSTRIAL VIETNAM

IT Intern

HaiPhong, VietNam

01/2024 – 04/2024

- Developed tools to support MES team functions.
- Learned about MES operating and production management systems.
- Assisted in enhancing efficiency and productivity within the team.

UNIVERSAL SCIENTIFIC INDUSTRIAL VIETNAM

Industry 4.0 Engineer

HaiPhong, VietNam

07/2024 - present

- Managed Continuous Improvement Projects (CIP) for production lines, optimizing quality, output, and cycle times through collaboration with teams.
- Acted as a liaison between engineering teams and clients for successful execution of client-initiated projects.
- Developed software solutions for factory digitalization were developed, either by company or at the request of clients, to address the specific needs of their businesses.

Skills

Project Management Skills

- Proficient in project planning, timeline management, and risk assessment for successful project execution.
- Familiar with and knowledgeable about project management methodologies such as Waterfall, Agile, and hybrid approaches to align with project requirements.
- Knowledgeable about MES systems and production management processes.
- Familiar with organizational structures in projects, including Hierarchy, Matrix, and Projectized models, ensuring effective team collaboration and resource allocation.
- Management expertise in Continuous Improvement Projects (CIP), driving production efficiency, optimizing quality and enhancing processes.
- Skilled in using project management tools like Trello, Microsoft Project to streamline workflows and monitor progress.
- Strong ability to coordinate cross-functional teams and liaise with clients, ensuring clear communication and alignment on project objectives.

Technical Skills

- Programming and development: Proficient in HTML, CSS, JavaScript, Python, PHP and frameworks like Laravel, VueJS, and Bootstrap.
- Experienced in data integration using MQTT servers for real-time data exchange in Industry 4.0 applications.
- Knowledge of system simulation tools (e.g., FlexSim, SketchUp) for optimizing production lines.

Soft Skills

- Analytical and detail-oriented with a strong ability to solve problems and propose innovative solutions.
- Effective communicator, bridging the gap between technical and non-technical stakeholders.
- Team-oriented with a collaborative mindset, fostering positive group dynamics and achieving shared goals.
- Highly adaptable and eager to learn new concepts, driving continuous improvement in any role.

Languages

- English: 600 TOEIC

Projects

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.

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.

MES Team Tool

- Developed a tool to support data querying for the Shopfloor IT department.
- Collaborated with stakeholders to gather requirements and ensure the software met the department's operational needs.
- Streamlined workflows by implementing user-friendly interfaces and optimizing query performance.

[Github link](#)

Test Automation Platform for Web API

- Designed and developed a platform to automate web API testing, including manual and auto-testing functionalities.
- Played a key role in defining test scenarios and managing the testing process to ensure high-quality deliverables.
- Enabled real-time reporting, reducing testing time and improving efficiency.

[Github link](#)

Synchronize Data from Local to SFTP Server

- Created a script for secure and efficient data synchronization between local and SFTP servers.
- Ensured data integrity and security through robust error-handling mechanisms.
- Collaborated with team members to integrate the solution into the company's existing IT infrastructure.

[Github link](#)