



TRANG THOI

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[LinkedIn](#) | [Github](#) | [Google Scholar](#)

EDUCATION

Ewha Womans University	South Korea
<i>Master's degree in Electronics and Electrical Engineering</i>	09/2022 – 06/2024
• GPA 3.98/4.30 (Converted GPA 97.2/100)	
Ho Chi Minh City University of Technology- Vietnam National University	Viet Nam
<i>Bachelor's degree in engineering in Industrial Systems Engineering</i>	09/2017 – 08/2022
• GPA 8.27/10.00	
<i>Erasmus Student Mobility, University of Limerick, Ireland</i>	09/2019 – 12/2019
• GPA 3.65/4.00	

AWARDS AND HONORS

Brain Korea 21(BK21) Scholarship	09/2023
Ewha Global Partnership Program (EGPP) Scholarship - a full ride scholarship	08/2022
Academic Scholarship for Top 5% Excellent Student 2018 and 2021	02/2021
Consolation prize at the contest “Students with start-up ideas” (SV. STARTUP 2020)	12/2020
Gold Medal at Design – Manufacturing – Application Award 2020	11/2020
AmCham Women in Engineering Scholarship (ACWES) 2020	11/2020
Most Effective Solution at the eProjects Innovation Showcase	07/2020
Erasmus+ mobility scholarship by European Commission	09/2019
Student of 5 Merits Award for Excellent Student good at 5 aspects of the year	09/2018

PUBLICATIONS

1. Pham, T.T.A., Thoi, D.K.T. , Choi, H. and Park, S., 2023. Defect Detection in Printed Circuit Boards Using Semi-Supervised Learning. <i>Sensors</i> , 23(6), p.3246. [paper]	
2. Thoi, D.K.T. Park, S., 2023. A Fusion Model for Extrahepatic Bile Duct Classification on MRCP Images. <i>35th workshop on image processing and image understanding. (Korean conference paper)</i>	
3. (Under-reviewed journal manuscript) Thoi, D.K.T. , Lim, J.H, Park, J.S, Park, S, 2023. Diagnosis of Extrahepatic Common Bile Duct Obstruction using Multimodal Deep Learning and MRCP.	
4. (Future Oral Presentation) Thoi, D.K.T. , Seo, K.W, Park, S, 2024. Deep Supervised Domain Adaptation for Invasive Pancreatic Cancer Diagnosis from Endoscopic Ultrasound Images. [paper]	

SKILLS

• Programming Languages: Python, MATLAB, R, Docker	
• Machine Learning Libraries: Scikit-learn, Keras, PyTorch, Tensorflow	
• Simulation & Design Tools: AutoCAD, Arena	
• Database and Statistical Software: SQL, Power BI, VBA, Minitab, SPSS, JMP	
• Languages: Vietnamese (native), English (IELTS 6.5 - CEFR B2)	

WORKING EXPERIENCE

Intelligent Sensing and Processing Laboratory	Seoul, Korea
Student Researcher/ Teaching Assistant	06/2022 – Now
Working on Deep Learning for image processing applications, signal processing for ultrasound image reconstruction, and autonomous ultrasound system with UR3e robot.	
Nestle Vietnam	Dong Nai, Vietnam
Engineering Intern	05/2021 – 12/2021
Implementing digitalization project including being lead of Maintenance Cost dashboard by Power BI and VBA, developing Shift Handover App, Checklist App, Tool Storage App by Power App, Power Automate and SAP Script. Team member of Auto Production Scheduling Project with the regional scope.	

The Dow Chemical Company (TDCC)

Ho Chi Minh, Vietnam

E-Project Participant

03/2020 – 07/2020

Project: Application of Digitalization in Warehouse Management System

Conducted warehouse data analysis, design database and interface for the software and support the programming process of Warehouse Management Software.

The Project Management Consultancy Laboratory, POSTECH

Pohang, Korea

Undergraduate Intern

01/2020 – 02/2020

Project: Natural Language Processing Application to assess the potential risk factors in the EPC contracts

Worked on the Scope of Work (SOW) document to detect risks as clauses using text mining, selected keywords by Python, and studied from the result by mapping the selected Keywords.

LEADERSHIP AND EXTRACURRICULAR ACTIVITIES

President of IE Connect Club

Ho Chi Minh, Viet Nam

Ho Chi Minh City University of Technology

06/2018 – 07/2019

Fully Funded Delegate

Surabaya, Indonesia

CommTECH Insight Camp 2019

01/2019 – 02/2019

REFERENCES

Assoc. Prof. Do Ngoc Hien, Ho Chi Minh City University of Technology

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Prof. Suhyun Park, Ewha Womans University

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