

# NGOC-TRAM NGUYEN

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## Experience

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### TEACHING ASSISTANT, MINDX

August 2023 – Now

- Subject: Data Analyst Course (SQL, Python, Power BI)

### RESEARCH ASSISTANT, AISIA LAB

Dec 2022 - June 2023

- Research about waveform classification in Radar Communication System.
- Generate signal data by Matlab and convert to image.
- Run recent model (Racomnet) with different signal noise ration.
- Enhance model using vision transformer / combine feature by LIFA.

### AI ENGINEER, EMAGE DEVELOPMENT CO.LTD

Jan 2020 - June 2020

- Pre-processing and post-processing to improve model accuracy on semiconductor images (OpenCV).
- Build auto-label algorithm as a feature for Label App (filter, segmentation, edge detection, morphology...).
- Model to classify defect on the semiconductor images (Mask RCNN).

## Education

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### BACHELOR OF SCIENCE IN MATHEMATICS, UNIVERSITY OF SCIENCE - VNUHCM

Sep 2016 - April 2021

Majors: Computer Science

GPA: 7.60/10.0

Thesis: Fashion Retrieval using Deep Learning (Mask RCNN)

### MASTER OF SCIENCE IN COMPUTER SCIENCE, UNIVERSITY OF SCIENCE – VNUHCM

Dec 2021 - Now

Current GPA: 8.20/10.0

Thesis: Building an Early Action Recognition System (Transformer)

## Honors and Awards

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### THE FIRST PRICE IN DEVELOPER CIRCLES VIETNAM INNOVATION CHALLENGE

- **Organizer:** Facebook & Coder School
- **Description:** Fraud detection on identification cards. It supports staff to speed up their validation process.  
OCR: get information from ID card (Google Cloud Vision API).  
Face comparison: compare the face on the ID card and that on the selfie photo (Amazon Rekognition – AWS).  
Document template check: validate the template (Template Matching – OpenCV).

## Skills & Certificates

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**Programming Languages:** Python, C++, SQL

**Programming Frameworks:** OpenCV, PyTorch, TensorFlow, Pandas, NumPy, Matplotlib, Seaborn

**Technologies:** Deep Learning, Computer Vision, Git, Linux

**Certificates:** <https://ntrami.github.io/Certificates/>