

Mai Van Binh

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EDUCATION

University of Information Technology

Sep 2017 - Present

Major: Advanced Program in Information Systems

GPA: 3.5/4

WORK EXPERIENCE

GEMISO

Jun 2020 - Present

Developer Program

Main responsibilities:

- Full Stack Web Developer(works with the Back End or server side of the application, the Front End, or client side as well as database)
- Research and develop software related to image and video processing, such as the algorithms of face recognition, face detection and face alignment, then deployment in web base.

VNUHCM-University of Information Technology

Sep 2021 - Present

Lecturer in Practice

Main responsibilities: Guide students to approach and practice with web technologies.

SKILLS

Programming language	Javascript, Python, PHP
Frameworks & platforms	ReactJS/ NodeJSRestfulAPI, TensorFlow, Pytorch.
Knowledge	Web developer, Image processing, Computer vision

PROJECTS

Automatic Application for Grading Multiple Choice Questions

(Mar 2021 - May 2021)

Customer	
Description	- We developed a system, which automatically grade MCQs type test automatically. The proposed algorithm requires a mobile phone with a camera.
Team size	1
My position	Research and development
My responsibilities	<ul style="list-style-type: none">- Research and re-implement the algorithms that have been proposed in articles in the same topic.- Test the apps that exist in the market to find out the general process, find out their limitations.- Build an application that automatically scores multiple-choice exams on mobile devices. Algorithm optimization to improve accuracy, increase speed and reduce hardware resource usage.
Technologies used	<ul style="list-style-type: none">- Android Studio 1.4, Java, Python, Android 4.0- OpenCV library, TensorFlow Lite

An Information system for the conservation of Vietnam's biodiversity

(Jul 2021 - Sep 2021)

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Customer	
Description	<ul style="list-style-type: none"> - Analyze, design and build a practical information system for the purpose of conservation, research and community education on biodiversity in Vietnam. - Create a highly interactive social network where people can share their interesting experiences with Vietnamese nature. Allows posting, managing volunteer activities, courses, helping the community to visually approach nature, raising conservation consciousness.
Team size	1
My position	Research and development
My responsibilities	<ul style="list-style-type: none"> - Analyze, design and build information website about Vietnamese creatures. - Build a module to detect and classify organisms from image of user, then provides some information about them.
Technologies used	<ul style="list-style-type: none"> - Web technologies - Object Detection with Yolo5

Facial recognition system

(October 2021 - Present)

Customer	
Description	<ul style="list-style-type: none"> - This is a web application allow users can upload image, then detection faces from images and register faces for person. - Then call API from server to request for train models with a new dataset - Call API to recognition faces for people.
Team size	1
My position	Research and development
My responsibilities	<ul style="list-style-type: none"> - Learn about face detection algorithms (RetinaFace, SCRFD) - Learn about face recognition detection algorithms. (ArcFace, SubCenter-ArcFace, VPL and Partial-FC) - Build modular allow user, upload images, auto register faces for person, can retrain model and recognition faces for people.
Technologies used	<ul style="list-style-type: none"> - Web technologies - Computer vision face recognition