

# Hoàng Duy Lộc

**Date of birth**    October 19, 1999  
**Gender**            Male  
**Phone**            0964398790  
**Email**             loc.hoangduyloc@gmail.com  
**Address**          Ho Chi Minh City, Vietnam  
**Website**         <https://github.com/DuyLocHoang>



## OBJECTIVE

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My goal is to become a professional AI engineer that can work with large amount of data and create complex models for AI systems. In next 1 years, I want to become a junior AI engineer, and become a senior in next 3 years.

## EDUCATION

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2017 - 2022	<b>Ho Chi Minh University of Technology - HCMUT</b> Major: Electronics and Communication technology. GPA: 8.23/10.
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## KNOWLEDGE BASE

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- Experience with common Machine Learning Algorithms and Deep Learning like Regression, Classification, MLP, CNN.
  - Experience with conventional Python packages: Pandas, Numpy, Scikit-learn, Tensorflow, Keras.
  - Implemented Normalization and Standardization preprocessing techniques for models to reduce the loss.
  - Implemented some techniques to prevent overfitting like regularization, early stopping, drop out, batchnorm.
  - Experience working with Computer Vision tasks such as OpenCV, YOLOv3, SSD.
  - Strong programming skills in Python.
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## SKILLS

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<b>Programming Skills</b>	<ul style="list-style-type: none"><li>• Languages: Python.</li><li>• Framework: Tensorflow, Keras, Pytorch.</li><li>• Libraries: OpenCV, Numpy, Pandas, Matplotlib, Scikit-learn.</li></ul>
<b>Language</b>	English: Ability to read and understand technical documents.
<b>Computer</b>	Word, Excel, Powerpoint.
<b>Others</b>	Ability to communicate with the team to perform accurately within the required time.

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## PERSONAL PROJECT

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### Smart Parking Management System

- Maintaining empty parking spot count based on security view camera using YOLOv3 real-time vehicle detection.
- Automatic number-plate recognition using YOLOv3.
- GUI applications using Tkinter and multi-thread.
- Backend using Nodejs.
- A mobile application with Flutter.

### Computer Vision Project

- Face Detection, Gesture Volume Control, Finger Counter, AI Personal Trainer, AI Virtual Painter, AI Virtual Mouse
- Technology used: OpenCV, Mediapipe, Python.

## CERTIFICATIONS

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11/2020	AI Practitioner Course - VTC Academy and COTAI
12/2020	TOEIC: 645/990

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