Trần Quốc Long

Talent Program - COMPUTER SCIENCE - UIT

CONTACT INFORMATION

📅 Feb 3rd, 1996

👤 Male

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📍 HCMC, Vietnam

ℹ fb/tranquoclong.t1

OBJECTIVE

I am a person who is enthusiastic about Computer Vision and Data Science, as well as AI-related problems and Automatic/Robotic. I promote creativity and boldness in dealing with problems. I might be experience-less in many things but I am willing to learn anything to gain in-depth knowledge about Computer Science, especially in Machine Learning and Data Science.

SKILLS

Science Paper Researching

Office

Logical thinking and creative

Working under pressure

Teamwork

Working independently

Public Speaking

PROGRAMMING LANGUAGES

EDUCATION

2014 - Present

University of Information Technology

Major: Computer Science - Computer Vision
GPA: 8.67/10
Thesis: 9.3/10
TOEIC: 735

WORK EXPERIENCE

Mar 2020 - Present

FPT Telecom

Data Scientist and AI Specialist - Team leader
TV-Rating Project.
Working as key member and team leader for this project.
Working fields:
- Content Clustering and Content Classification.
- Object detection and Super Resolution.
- Program Categorization by program names.
- TV Advertisement detection project.
Experience:
- Task planning for project with 4 team members: Quarter plans.
- Text Categorization models : SVM, K-means, XGBoost, new vector-embedding methods.
- Computer vision models: Yolov4, RetinaNet, GAN

Oct 2018 - Oct 2019

FPT Telecom

Data Scientist and AI Specialist
Working as an AI Specialist and Data Analyst
Internal Social Listening - R&D and Production
- Here, I solved the problems which last for 3 years in FPT Telecom: finding insight from all logs have text (call logs, infrastructurelogs). My work is able to extends to every logs have text of FPT Telecom at that time. This is my solo project, so I apply many methods to help me reduce the human tasks.
- This project is combined of Machine Learning & Deep Learning (with some tricks also)
- Research: LSTM, Attention Model, SVM, Word2vec, Doc2Vec, Vector embedding methods, summarization methods.
- Supervised and unsupervised clustering.
- Topic modeling.
- Topic segmentation and sentiment analysis.
- Working with Power BI to show the Insights.
- Data visualization

Citizen Id Card Detection using Image Processing and Optical CharacterRecognition
With my experience

C/C++	- Experienced
C#	- Experienced
Python	- Experienced
Flutter	- Experienced
Java	- Beginner
Matlab	- Beginner
Maple	- Beginner
Scalar	- Beginner

INTERESTS

Soccer	Music
Traveling	

- Adviser for this team in: data augmentation, edge detection, problems of one shot learning.
- Other keywords: Character recognition

Recommendation System for FPT Play
- One of 4 members of this project. One transfering, suddenly, I had accident :) This took me 8 months to recover (working remotely).

Infrastructure Problem Detection Team
- With results of my research of NLP and some machine learning algorithm. I were chosen to join this team.

On my freetime:
- Churn Prediction Model: I myself read all the document of previous member (who left the company)
- Churn users forecasting: this is my other idea for churn prediction.
- Ref: Catboost, XGBoost, Light GBM, RNNs

Mar 2019 - Present
Mr Laundry Trading & Service Limited Company
Co-Founder, CEO, Server and Mobile App Developer
- I am one of 4 Co-founder of this company. With my abilities, my work includes: Diplomatics, Developers & especially as an CEO.
- Planning and settings KPIs
- Develop management system for company: server + mobile applications
- Meeting with other companies to get contract

Aug 2019 - Present
Mr Laundry Trading & Service Limited Company
CEO, Data Scientist
- Analyzing data, explore and find customer's insights.
- Proposing marketing campaigns basing on insights from data.
- Developing management system and applications for business management.

Oct 2017 - Mar 2018
DMeals Startup Team
Leader and server back-end developer
Experienced in leading a startup team, research about the marketing and challenged to issues of a Startup.

2016 - 2017
WECODE - ALORITHM CLUB
Co-founder and Leader
Experienced in leading a club in University, contract with related people for finding the donors for club's competitions (WeCode challenge)

Mar 2017 - May 2017

AUREOLE IT INC
Software developer - Part-time

2014 - Present
Projects at University
Some of my projects
- **[C++][OpenCV]** CBIR Image retrieval.
- **[C++][OpenCV]** Image Segmentation and Image search using K-means and Mean Shift.
- **[C++][OpenCV]** Panorama - Images stitching -SIFT.
- **[C++]** An Paint Application with graphics.h library.
- **[C++]** Shortest Path Finding Application with A* algorithm.
- **[C++]** Triangle Problem Solver.
- **[C#]** Regular Expression - Applying with Unicode characters.
- **[Maple][C#]** Expression Solver.
- **[Python]** Server-side for E-commerce web/mobile application - A project with Django.
- **[Python]** Product labeling with deep features and SVM.
- **[Python]** Compression and Decompression - LZW, Huffman, Arithmetic API - Web application
Link clip demo projects: https://goo.gl/kzUH3J

Mar 2018 - Aug 2018
Graduation thesis project
A people identification and stranger detection machine in Smart Campus
- Programming language: Python
- Combining face recognition, person detection, deep association metric, object tracking to improve the performance of the system
- Reference: a pre-trained model with ArcFace, Yolov3, DeepSORT, MTCNN, SVM.
- Demo: https://goo.gl/mwzYmb

Oct 2018 - Present
Costumer segmentation based on Customers' problems feedback
A face recognition application for human management in the smart campus.
- Programming language: Python
- Dealing with the problem of none-accent Vietnameses and Wrong Spelling, as well as the lack of training data.
- Combining RNNs , applying some SOTA NLP algorithms to get the better insights from data,
- Reference: RNNs, Attention is All You Need, TSGVi
- Demo: https://goo.gl/mwzYmb

ACTIVITIES
June 2015 - November 2016
WeCode - Coding Training Group at University

Co-founder and Leadership

2016 - Present
CS - Soccer team
Captain

2015
Hands UP 2015 - UEL
Member of the campaign

2016
Hands UP 2016 - UEL
Member of the campaign

2016
Children's Day - Blue Sky - USSH
Member of the campaign

COMPETITIONS
- UIT ACM 3
- UIT ACM 4
- UIT ACM 7

AWARDS
The Second Highest Score in Entrance Test To University - Grade A1
2014

Top 5 Highest Score in Graduation of Talent Program of Computer Science department - University of Information Technology
2018

5-good-merits Student Certificate
2015

Excellent member in Hands-UP Campaign
2016

Champions of Football leagues - UIT
2017