## Contact

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(LinkedIn)
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## Top Skills

Python (Programming Language)
Go (Programming Language)
Scrum

## Languages

Chinese (Limited Working)
Vietnamese (Native or Bilingual)
English (Professional Working)

## Honors-Awards

Prospect award - The best student team.
TEKO Summit 2020 Guest Speaker

## Publications

Python programming self-study

The New High-Performance Face Tracking System based on Detection-Tracking and Tracklet-Tracklet Association in Semi-Online Mode

Video segmentation using keywords

# Tài Chí

Back End Developer at TEKO Việt Nam

## Summary

I'm looking for new challenges everyday.

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## Experience

**TEKO Việt Nam**
2 years

Back End Developer
September 2018 - Present (1 year 10 months)
Vietnam

- Price & Promotion System -
After two months of working, I was then joined the Price & Promotion System project. The target of the system is to enable the user to define and manage the product price. Also, our users need to create and manage promotion programs. As the project was written in Golang, and I am the only one ready to be a Gopher at that time. So I solo it the whole time. After a month of developing, we pointed out many mistakes in the original design and coding style. My team and I then came to a solution to break it all and rebuild it in Python, enabling other people to support me. The project was then rewritten by another team. Besides the main go project, I also maintained a related module Price Crawler.

- Price Crawler -
The spirit of the product is to collect product prices of our competitors to create data insight for the marketing team controlling the market price. We used scrappy, Django Admin and Celery for the work. At the peak, we were able to crawl 48 sites, synchronized over 1 million products' prices over days the systems.

- Order Management System -
I have then joined the one project I contributed most up until now, the Order Management System. It is the entrance services, took place of a receptionist of the whole ecosystem. The accuracy and security are highly controlled and many optimization requirements must be met. As the only gopher in Ho Chi Minh department, I once again took the job maintaining it in over 7 months.

The adventure is quite long, I worked with the newly introduced technology like Golang lastest version, gRPC, protobuf, kubenetes with Google Cloud, ... things from nothing. Meanwhile, I completed my thesis about a new Computer Vision technique at VNU-HCMUS at the same time. Thank god, I did it.

After my CTO joined, my team grew up quickly, we started to transfer the tech stack back to Python again for company knowledge synchronization. We are working at this until now and preparing the launch in the near future.

## Fresher
July 2018 - August 2018 (2 months)
Vietnam

My duty after joining the company is to develop a new ERP system to replace the old one written by Microsoft Fox Pro with SQL Server been served from the year 2007, the glorious ASIA accounting software.

- Integration System -

My first work here is to contribute to the Integration System. It is a protocol system connecting to the aforementioned legacy service. The primary job here is to expose APIs to provide the feature of the legacy one to newly separated services. Several high relationship density tables with many miracle stored procedures really astonished us. The enormous accounting knowledge filled me in over a month. The 4-man army worked it all out from scratch to fit the operate need while helping other teams replacing the old features. It was a nice time writing code, deploying codes, fixing bugs and encouraging others for the highest targets.

- Integration Test Service -

When our wonder comes to stabilization, I started the job writing test-cases generation tool for monitoring message broker services. It was a short memory, but worth a time.

## VinAI Research
Android Developer
October 2019 - December 2019 (3 months)
Ho Chi Minh City, Vietnam

- Help to modify and to compile libraries for Computer Vision applications
- Help to build demo applications for conference publications, to add features for Android applications.

## VNUHCM - University of Science
Collaborator

June 2017 - November 2018 (1 year 6 months)
Vietnam

I built a web application demo for VietCap.org project (quochoi.vietcap.org, htv.vietcap.org,...). The project was created by AILAB of Ho Chi Minh University of Science. It provided the ability to capture the voice from a video stream and convert it into Vietnamese subtitles. My job is to embed it into the video streaming with time tuning to demonstrate the quality of the subtitles. Also, I need to support our users to submit their video and communicate with the processing server via APIs for results. It was completed with MeteorJS and MongoDB as suggested by my first mentor.

The next project I joined is VnSigma.net, it is a tutor website, matching the tutor, who willing to teach and the students, who want to improve their skill.  I developed the math editor with MathJax to bring the best experience for low-level computer users, who is very familiar with complex computer moves like using MathType or Latex. I packaged my job and first time release it to an open-source community.

KhanViet.org is the last project I joined in. The project is a MOOC platform based on EDX, which provide a place where the teacher can submit their lectures and the student can find them. My primary job is to build a Python code grader to execute and automatic grade the student score based on their submission. The grader was integrated with a Django server. I also joined the creator team of Python Course for Beginner, composing the coding assignments and preparing the solutions. After that, I also directly operate newly opened courses, generate reports and answer the forums' topics. My job was published in the book Python Self-teaching for Beginner.

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## Education

VNUHCM - University of Science
Bachelor of Science - BS, Information Technology · (2015 - 2019)