HOANG MINH THANH

<u>Data Engineer</u>

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Summary: I'm +1^{year} experienced python web developer, have solid background knowledge about Programming Algorithm and Data Structure in University of Science. Proficient Python, C++, experienced in C#, Java and good coding style. I defended my thesis with 9.5 result and ranked excellent. I would like opportunity to work, self-improvement in your company.

🎓 EDUCATION

University of Science, VNU-HCM	**Sep. 2012 - Sep. 2015**

- College in Information Technology

University of Science, VNU-HCM	**Nov. 2018 - Oct. 2020**

- Bachelor in Computer Science (GPA : 8.2/10)
- Thesis : [Link Prediction in Knowledge Graph](#) (9.5/10)

🪪 SKILLS

1. KNOWLEDGE & CONCEPT

- Background: [Solid Data structure and Algorithm](#), OOP, Design Pattern (Observer, Factory,..)
- English : Intermediate written and spoken English
- Code versioning tools : Proficient in Git, Github, Gitlab
- Machine Learning; Deep Learning : Attention mechanism, Capsule Neural Network, Knowledge Graph, regularly to reading academic paper.
- Cloud : A bit experience of AWS (S3, EC2, RDS, Route53, Elastic Beanstalk & AWS Seager)
- Parallel programming on GPU : A bit experience of CUDA (kernel, stream, scan, hist)
- Other: WordPress, Heroku, Linux

2. LANGUAGE & FRAMEWORK

- C/C++ : Data Structures, Class Template, pointer, References, OpenCV 4
- **Python** : **Proficient** (PEP 8, lambda, threading pool, .., **numpy**, pandas, matplotlib)
- ReactJS : Component Lifecycle, Redux, redux-thunk, redux-saga, React Router, React Hooks
- IDE & Tool : IntelliJ, VS Code (ESLint, Prettier), VIM, sublime
- Database: Good Experience with MS SQL, MySQL, Neo4j
- HTML, CSS, Bootstrap, AJAX, jQuery
- Experience in Django, Flask, ASP.NET MVC , NodeJS

🧰 WORK EXPERIENCES AND PROJECT

University of Science VNU – HCM (College)	**Sep. 2012 - Sep. 2015**

- [BietDoiSieuLapLanh](#) : Redesign and customize a template website. I make it even before learn how to code
- Caro Terminator (Self-study) : Basic AI game base on Min-max algorithm on Window Phone using WPF, XAML
- ThuXinh : PHP website of final project
- Pucca Runner (Self-study): A Unity game with funny idea of Dijkstra Algorithm ([Play here](#))

XEP Company (ASP.NET Developer)	**2018 - 2019**

- Create, customize implement and optimize SQL Query base on requirement
- Develop absolute both front-end and back-end a ecommerce website
- Investigate library to implement image processing of QR code image

Rakumo Co., Ltd (Python Developer)   **2019 - 2020**
- Maintain Django Website using [Docusign](#) for Japanese Customer
- Working with team to developing new feature, analyze requirements, estimate implementation, investigate new technology and apply to product.

University of Science VNU – HCM (Bachelor)   **Nov. 2018 – Oct. 2020**
- Training a LSTM model for handwriting recognition on Colab and deploy to web with TensorflowJS ([Draw here](#)).
- [Thesis](#) : Modify KBGAT model in Knowledge Graph using Pytorch to create new model named [GCAT](#).

🏆 HONORS & AWARDS

- **Incentive** Award in The Good Chemistry District Student Contest   **2009**
- **Second Round** Thach Thuc, Faculty of Information Technology, HCMUS   **2013; 2014**

🎖 CERTIFICATIONS

- Support Student Examination Certification   **Aug 2014 - Oct. 2014**
- [Critical Thinking](#) (Soft skill)   **Oct. 2014**
- [Summer Course Machine Learning](#)   **Jun. 2019**
- [Emotion Recognition Certification - HCMUS](#)   **Nov. 2019**
- Coursera: Machine Learning   **2020**
- **Golden level**$^{C++, \text{ Problem Solving}}$, Bronze level^{Python} in 🔷 **HackerRank**