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HOANG MINH THANH

Fresher AI Engineers



EDUCATION

Ho Chi Minh City, Vietnam VNU-HCM, University of Science Sep 2012 – Sep 2015

- College in Information Technology



HONORS & AWARDS

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



SKILLS

0. KNOWLEDGE & CONCEPT

- Background: Solid Data structure and Algorithm, OOP, Design Pattern (Observer, Factory,...)
- Image Proccesing : Kernel, contours, Edge Detection, Image Gradients, Perspective & Affine Transforms, SIFT, SURF, FAST.
- Machine Learning : SVN, K-NN, Random Forest, Linear regression, Logistic regression Optimization (AdaGrad, Adadelata, RMSprop), Transferlearning
- Deep Learning : Faster R-CNN, Style Transfer, Image segmentation (U-Net), YOLO3, Object Detection, Beginer at GAN, RNN, LSTM ,AutoEncoder
- Mathematical: Linear Algebra (9.75/10 : 2nd in Entrance Examination), Probability and Statistics (fluent R language), Mathematical analytics (proficient Calculus)
- English : Basic English communication, ability to self study and research
- Code versioning tools : Git, Github, Gitlab
- Training model: Google Cloud (Compute Engine), Floydhub
- IDE : VS Code, Jupyter Notebook, Google Colab, Pycharm
- Other: ReactJS, Django, Heroku , ASP.NET MVC, Wordpress, Photoshop, Adobe After Effects

1. LANGUAGE & FRAMEWORK

- C++ : Data Structures, Class Template, pointer, References
- Python : PEP 8, Regular Expressions , modules, multithreaded
- numpy : ndarray, indexing & slicing, Statistical
- Mathlab: Plotting, Image and Video Processing (Sharpen,Noise, Filter)
- Matplotlib, scikit-image, scipy, seaborn, plotly
- sympy : Calculus, Matrices, Solvers, Simplification
- Pandas : Visualization, Column Operations & Manipulation
- Pytorch : Loading Data, Dynamic Graph, practiced Faster-CNN, RNN and LSTM
- Tensorflow : Tensorboard, Data Management, Save/Restore Model, MultiGPU
- Probability and Statistics : Conditional Probability, Bayes, Probability distribution
- Database: MS SQL, MySQL



WORK EXPERIENCES AND PROJECT

- **VNU-HCM University of Science** 2012 – 2015
 - [BietDoiSieuLapLanh](#) : Redesign and customize a template website. I make it even before learn how to code a website .
 - Caro Terminator : Basic AI game base on Min-max algorithm on Window Phone
 - Thuxinh : PHP website written base on what I 've learn in university

- Pucca Runner : a game is created by Unity, the final project of Graph Theory ([Play it here](#))
- **XEP Company** (ASP.NET Developer) early 2018
 - [NgoKhong.net](#) : Customize Database, Develop absolute both front-end and back-end a commercial website

CERTIFICATIONS

- **Support Student Examination Certification** Aug 2014 – Oct 2014