

Hoang M. Le

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Education

Pohang University of Science and Technology (POSTECH)

South Korea

MS Computer Science and Engineering

Current GPA: 3.5/4.3 (92.5/100)

Date of Graduation: Feb, 2018

Da Nang University of Science and Technology

Viet Nam

BS Electronics and Telecommunication

GPA: 3.33/4 (8.13/10)

Date of Graduation: May, 2014

Research Experience

Alzheimer Disease Research Group

June 2019 – present

Researcher

- Conducting research of the topic: “*Artificial Intelligent approaches for automatic diagnosis of Alzheimer’s disease using neuroimaging*”.

Artificial Intelligent and Water Resources Engineering Research Group

Nov 2018 – present

Researcher

- Implemented deep models for rainfall-runoff modeling.

Publications

1. Deep learning Convolutional Neural Network in rainfall-runoff modeling. Song Pham Van, Hoang Minh Le, Dat Vi Thanh, Thanh Duc Dang, Ho Huu Loc, Duong Tran Anh. [*Journal of Hydroinformatics*](#), 2019 (submitted)

2. Performance Evaluation of the ASM Layer of MR3. Hoang M. Le, Sungwoo Park. [*Proceedings of the 20th Korea Conference on Software Engineering*](#) (KCSE), 2018, p92-95.

Work Experience

Appex

Mar 2019 – present

Software Engineer

- Building a software for ERP project, which help our clients to manage, collect reports related to their activities.

Cao Thang Hospital – International Univ. BME Lab.

Nov 2018 – Mar 2019

Machine Learning Engineer

- Implemented backend server and web page to serve and show results of the Deep Learning model for predicting diabetic retinopathy using fundus images.
- Implemented a web app for Symptom Checking

F-Soft

Sep 2018 – Feb 2019

Software Engineer – Skywise Project

- Transformed, cleaned raw data based on schema definition using PySpark
- Built report dashboard for clients

EyeQ

Mar 2018 – July 2018

Machine Learning Engineer

- Implemented Pose Estimation for human faces (OpenCV)
- Modified existing Deep Learning codebase to run on multiple GPU.
- Built a website for transfer learning of existing deep architectures and keeping track of the results. (Flask, Keras)

POSTECH Programming Lab

Mar 2016 – present

Lab Assistant

- Building a visualizer for MR3 (a next generation computing engine for Hadoop 2) by Python.
- Integrating HistoryLoggingService for MR3 and Apache Hadoop YARN and its web-ui.
- Maintaining launch bash scripts for HiveServer2 (Apache Hive)
- Developing TextGrep and WordCount over ASM layer in MR3 using Scala language.
- Maintaining web server and mail server for the project.

Uniquify Inc. – US Semiconductor Company, Da Nang city, Viet Nam

Physical Designer

Jun 2014 – Dec 2015

- Conducting Physical Flow: Set up Environment, Synthesis, Place and Route, DRC and LVS fixing for Dragonx Blocks and IO Digital Blocks for DDR.

- Writing automation script that help my team save time and energy, as well as working more sufficient.

eSilicon Inc. – US Semiconductor Company, Da Nang city, Viet Nam

Apprentice

Nov 2013 –Mar 2014

- Got familiar with scripting operation system (Unix).
- Research in architecture and function of ROM 128x64x16.

Certificates

Deep Learning Nanodegree Program

Udacity

May 2019

- Link: <https://confirm.udacity.com/ENNUC63F>

Object Oriented Programming in Java

Coursera

Feb 2016

- Link:
<https://www.coursera.org/account/accomplishments/certificate/VZYSB5ZFACHD>

Skills

- Programming Language: Scala, Java, Python, Bash script, Assembly, C++, Matlab.
- Deep Learning Library: PyTorch, Keras.
- OS: Linux, Window
- Others: OpenCV, Hadoop, Numpy, Pandas.

References

Prof. Sungwoo Park 박성우

Associate Professor, Programming Language Laboratory

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