
Curriculum Vitae

Ha Trong Sy

Personal Data

PLACE AND DATE OF BIRTH: Vietnam | 20 November 1991
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Experience

JAN 2018 - PRESENT	<p>Machine Learning R&D, Websosanh.vn, Vietnam</p> <p>Researching and building machine learning models for some problems for ecommerce products.</p> <ul style="list-style-type: none">• Products categorization: more than 10 millions products, 1000 categories.• Alcohol products detection using product title.• Pos-tagging for product title: using BiLSTM.• Product matching: matching product from different sites into unique product for price compare. <p>Other projects:</p> <ul style="list-style-type: none">• T-shirt fashion style classification: 24 classes, more than 70K images, using CNN, ensemble model.• Eye pupil detection, include face detection: using OpenCV, MTCNN.• Twitter emotion sentiment analysis: LSTM, BiLSTM, CNN.• Custom object detection with YoLoV2: car detection.• Handbag object detection and recognition. <p>Languages and tools: Python, Flask, Scikit-learn, Keras, Tensorflow, OpenCV.</p>
DEC 2017 - JAN 2018	<p>AI engineer, Saltlux INC., Vietnam</p> <p>Developing a task-oriented chat bot, using Java, RESTful API, MongoDB.</p>
JUL 2014 - Nov 2017	<p>Software engineer, Vingroup, Vietnam</p> <ul style="list-style-type: none">• Developing .NET applications, web services, window services.• Researching about recommendation system.• Researching to model and solve optimization problems for pickup and delivery systems.• Languages: C#, C++, Scala, SQL, HTML, Java.

NOV 2013 - MAY 2014	<p>Optimistic Group of School of Applied Mathematics and Informatics, Hanoi University of Science and Technology</p> <ul style="list-style-type: none"> • Worked with many optimistic problems: Solving Maximum Weighted Clique Zero-One Problems with DCA (Difference of Convex functions Algorithm), Solving Mixed Zero-One Programming Problems with DCA-CUT, Vehicle Routing Problem. • Algorithm implementation by C++, Gurobi.
AUG 2013 - APR 2014	<p>Intern, Part-time Employee at THU DO MULTIMEDIA JSC, Hanoi</p> <p>Developed apps and games on mobile using Client-Server Model with socket technology.</p>
JUL 2012 - APR 2013	<p>SVST Team</p> <p>The team was created by me and my friends to participate some start-up competitions. One of these is McKinsey Mekong Business Challenge 2013, which is open to university student teams from Cambodia, Laos, Myanmar, Thailand and Vietnam, held in Yangon, Myanmar on March 16th, 2013.</p> <p>Product: Bridging Words - IOS game</p>
MAR 2011 - 2013	<p>BKIndex Group of School of Applied Mathematics and Informatics</p> <p>Developed many application projects based on .Net platform.</p>

Education

2015 - PRESENT	<p>Online courses at COURSERA, UDEMY, MIT OPENCOURSEWARE, Machine Learning, Deep Learning, Artificial Intelligence, Statistic and Probability, Algorithm.</p>
2015 - 2016	<p>Student at SCHOOL OF APPLIED MATHEMATICS AND INFORMATICS, Master Program in Applied Mathematics.</p> <p>Hanoi University of Science and Technology, Hanoi, Vietnam.</p> <p>Vehicle Routing Problem Advisor: Dr. TA ANH SON</p>
2009 - 2014	<p>Undergraduate Engineer in APPLIED MATHEMATICS AND INFORMATICS</p> <p>Talented Program, Hanoi University of Science and Technology, Hanoi, Vietnam.</p> <p>Solving Mixed Integer Problems using DCA-CUT approach Advisor: Dr. TA ANH SON</p> <p>GPA: 3.14/4.0</p>
2006 - 2009	<p>Bac Giang Gifted High School</p> <p>Bac Giang city, Bac Giang province, Vietnam.</p>

Awards and Honors

MAY 2014	The 3rd prize, STUDENTS WITH SCIENTIFIC RESEARCH CONTEST 2014 Hanoi University of Science and Technology.
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MARCH 2009	The 3rd prize, VIETNAMESE MATHEMATICS OLYMPIAD 2009 (VMO).
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Personal Skills

MOTHER TONGUE(S)	Vietnamese.
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OTHER LANGUAGE(S)	English.
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TECHNICAL SKILLS	<ul style="list-style-type: none">• Good programming skill with C++, C#, Python, Java, PHP, HTML, JavaScript.• Familiar with machine learning libraries: Scikit-learn, Tensorflow, Keras, NLTK, OpenCV.• Good skill with databases: SQL Server, My SQL, MongoDB, Cassandra.• Good command of Visual Studio 2012+, Microsoft Office tools, Matlab, Spyder, NetBean.• Operating Systems: Windows, CentOS, Ubuntu.
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COMMUNICATION SKILLS	<ul style="list-style-type: none">• Having ability to communicate clearly and effectively.• Good presentation skill gained through many presentations for specialization projects and Scientific Research Reporting.
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Interests and Activities

- Technology, Programming, Gaming, Martial Art, Travelling.

Publications

- Anh Son Ta, Hoai An Le Thi and Trong Sy Ha, *Solving Relaxation Orienteering Problem using DCA-CUT* (2015), Modelling, Computation and Optimization in Information Systems and Management Sciences, Proceedings of MCO 2015, Metz, France.