



TRAN DUY THANH

Full Lecturer/Ph.D, Faculty of Information Systems,
University of Economics and Law, VNU-HCM Vietnam

ROBOTICS | MACHINE LEARNING | BIG DATA | DATA MINING | TOPIC MODEL

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ABOUT ME

- I was received Bachelor of Computer Science at 2007 from the Industrial University of Ho Chi Minh City, Also, I received Bachelor of Business Administration at 2010 from the University of Economics in Ho Chi Minh City, Vietnam. Also, I received M.S. degree in computer science from University of Information Technology, Vietnam National University Ho Chi Minh City (VNU-HCM), Vietnam at 2015.
- I am Ph.D. in Data Science at 2023, National Korea Maritime and Ocean University, Republic of Korea (1st prize research Ph.D. Degree Award).
- Since July 2016, I have become Full Lecturer in Faculty of Information Systems, University of Economics and Law, Vietnam National University Ho Chi Minh City (VNU)-HCM, Vietnam. Since October 2019 I was Deputy Head of e-Commerce department.
- My research interests are social network analysis, big data, AI and robotics... And I would like to share the knowledges to everyone in this site.
- I received Best Paper Award the 15th International Conference on Multimedia Information Technology and Applications (MITA 2019) and Best Paper Award at International Workshop on Multiple Intelligence on Multimedia Application and RPA (MIMA 2023)
- I have experience publication papers in Springer Supercomputing, Springer Soft Computing, IEEE Transactions on Consumer Electronics, Information Processing Systems journals and international conferences.
- I am co-author books: Basic mobile application development (ISBN: 978-604-73-5672-0), Advanced mobile application development (ISBN: 978-604-73-5673-7), Basic programming techniques (ISBN: 978-604-73-7187-7), Advanced programming techniques (ISBN: 978-604-73-7493-9). Also, I am the Book Co-Author of "Principles, Policies, and Applications of Kotlin Programming" IGI Global, USA, pp.1-457, 2023 (ISBN: 978-166-84-668-72).
- I am Associate Editor at Human-centric Computing and Information Sciences (HCIS), Springer Berlin Heidelberg (SCIE/SCOPUS indexed)
- Currently I am Head of e-Commerce department, the position is approved from July-2023
- My ORCID <https://orcid.org/0000-0003-0680-9452>
- My Google Scholar <https://scholar.google.com/citations?user=batMkQBQAAAAJ>
- My motto is "Working Hard and Smart today for a better tomorrow!"

PUBLICATIONS

PROJECTS:

- [1] Building a social network analysis system by topic and applying it to the university's social network (No: B2013-26-02), 2015.
- [2] Developing an electronic customer relationship management system on a mobile platform (No: CS/2017-18), 2018.
- [3] Building a simulated e-marketplace for e-commerce research and training (No: C2017-34-03), 2019.
- [4] Explore and visualize user communities on social networks using Kohonen neural network methods and topic modeling (No: CS2018-01), 2019.
- [5] Developing a supply chain management model in e-commerce integrated with a simulated e-market system (No: CS/2019-10), 2021.
- [6] Designing a smart greenhouse system based on artificial intelligence to develop high-tech agriculture (No: C2022-34-01), 2022 (on-going).

- [1] **Duy Thanh Tran**, Thanh Ho and Phuc Do, Detecting Communities and Surveying the Most Influence of Online Users ACSIJ Advances in Computer Science: an International Journal, Vol. 4, Issue 6, No.18, pp. 173-179, 2015, ISSN : 2322-5157.
DOI: <http://www.acsij.org/acsij/article/view/393>
- [2] Thanh Ho, **Duy Thanh Tran**, Mobile-Based Electronic Customer Relationship Management System, Industry and trade magazine, No 11, 08/2018, ISSN: 0866-7756.
- [3] Thanh Ho, **Duy Thanh Tran**, Integrating Scan Mobile With Electronic Signage Solution In Supermarket And Retail Store, Science and Technology Development Journal -Economics-Law And Management(STDJELM), 2018, ISSN: 2588 - 1051.
DOI: <https://doi.org/10.32508/stdjelm.v2i1.506>
- [4] Thanh Ho, **Duy Thanh Tran**, Proposed Simulated Electronic Market Solution For E-Commerce Research And Training, Science and Technology Development Journal - Economics-Law And Management(STDJELM), 2019, ISSN: 2588 - 1051.
DOI: <https://doi.org/10.32508/stdjelm.v3i1.533>
- [5] Thanh Ho, Hung Nguyen and **Duy Thanh Tran**, Applying topic model combined with Kohonen networks to discover and visualize communities on social networks, Science and Technology Development Journal -Economics-Law And Management(STDJELM), 2019, ISSN: 2588 - 1051.
DOI: <https://doi.org/10.32508/stdjelm.v3i3.572>
- [6] Thanh Ho and **Duy Thanh Tran**, Discovering Community Interests Approach to Topic Model with Time Factor and Clustering Methods. Journal of Information Processing Systems, 2021, 17(1), 163-177.
DOI: <https://doi.org/10.3745/JIPS.04.0206> (Scopus Q2)
- [7] **Duy Thanh Tran**, Jun-Ho Huh. Building a model to exploit association rules and analyze purchasing behavior based on rough set theory. Springer (The Journal of Supercomputing) 78, 11051-11091 (2022).
DOI: <https://doi.org/10.1007/s11227-021-04275-5> (SCI Q1, Impact factor 3.3)
- [8] **Duy Thanh Tran**, Jun-Ho Huh, Jae-Hwan Kim. Building a Lucy hybrid model for grocery sales forecasting based on time series. Springer (The Journal of Supercomputing) (2022).
DOI: <https://doi.org/10.1007/s11227-022-04824-6> (SCI Q1, Impact factor 3.3)
- [9] **Duy Thanh Tran**, Jun-Ho Huh. New machine learning model based on the time factor for e-commerce recommendation systems. Springer (The Journal of Supercomputing) (2022).
DOI: <https://doi.org/10.1007/s11227-022-04909-2> (SCI Q1, Impact factor 3.3)
- [10] **Duy Thanh Tran**, Huy Truong Dang, Su Hoanh Le, Jun-Ho Huh. Mobile Robot: Automatic Speech Recognition Application for Automation and STEM Education. Springer (The Journal of Soft Computing) (2023).
DOI: <https://doi.org/10.1007/s00500-023-07824-7> (SCI Q1, Impact factor 4.1)
- [11] **Duy Thanh Tran**, Jun-Ho Huh. Forecast of seasonal consumption behavior of consumers and privacy-preserving data mining with new S-Apriori algorithm. Springer (The Journal of Supercomputing) (2023).
DOI: <https://doi.org/10.1007/s11227-023-05105-62> (SCI Q1, Impact factor 3.3)
- [12] **Duy Thanh Tran**, Hoanh Su Le, Jun-Ho Huh. Building an Automatic Irrigation Fertilization System for Smart Farm in Greenhouse. IEEE Transactions on Consumer Electronics (2023).
DOI: <https://doi.org/10.1109/TCE.2023.3304554> (SCI Q1, Impact factor 4.3)

- [1] Nguyen Trac Thuc, **Duy Thanh Tran**. Discovering the community and the factors that have great influence in the community on social networks, University of Information Technology, UIT Young Science Conference, 2014.
- [2] **Duy Thanh Tran**, Thanh Ho. Integrated solution for electronic labeling by mobile for supermarkets and retail stores, Information system in business and management, 2017
- [3] **Duy Thanh Tran**, Thanh Ho. Detecting Communities of Online Users from Text Corpus Based on Topic model, Statistical Challenges in Electronic Commerce Research(SCECR 2017)
- [4] Thanh Ho, **Duy Thanh Tran**. SIMULATE ELECTRONIC MARKET SOLUTIONS FOR E-commerce RESEARCH AND TRAINING, 2018
- [5] Phuc Nguyen, **Duy Thanh Tran**, Anh Thu. Analyzing Sentiment of Users Based on Exploitation of Social Network Structure, The 15th International Conference on Multimedia Information Technology and Applications (MITA 2019) ISSN: 1975-4736 (Best Paper Award)
- [6] Vy Vu Tuong, Hau Le Quoc, Huy Truong Dang, Vy Tran Long, **Duy Thanh Tran** (2019) DESIGN OF SCIENTIFIC RESEARCH GROUP FORMATION AND EXCHANGING DOCUMENTS SYSTEMS, The 15th International Conference on Multimedia Information Technology and Applications (MITA 2019) ISSN: 1975-4736
- [7] Nguyen Quang Phuc, **Duy Thanh Tran**, Nguyen Anh Thu. Exploiting combinations of visual, audio and text features to improve the quality of video search results clustering. UEL Young Science Conference, 2019.
- [8] **Duy Thanh Tran**, Le Ba Thien. IoT application in monitoring and controlling the status of machines in production plants. MIS Conference - Information systems in business and management, 2019.
- [9] Nguyen Quang Phuc, **Duy Thanh Tran**, Nguyen Thi Anh Thu. Feature extraction in the flow of social network graphs according to distributed computing model. MIS Conference - Information systems in business and management, 2019.
- [10] Tran Nguyen Phuc, Duong Thi Thuy Nga, **Duy Thanh Tran**. BUILDING A TEMPERATURE FORECASTING MODEL FOR THE CITY WITH THE REGRESSION NEURAL NETWORK (RNN), The 6th International Conference for Small - Medium Business (2020). ISSN: 2288-9876.
- [11] **Duy Thanh Tran**, Le Ba Thien, Jun-Ho Huh. Building a Human Resource Education Training Model based on One Point Lesson and Big Data Analysis. The 17th International Conference on Multimedia Information Technology and Applications, ISSN: 1975-4736 @MITA 2021
- [12] Linh Do, Thai Le, **Duy Thanh Tran**. The Application of Blockchain in Logistics: Enhancing Transparency and Efficiency. The 4th International Conference on Advanced Convergence Engineering (ICACE 2023), ISBN: 978-604-479-148-7
- [13] Ai Vu, Anh Tran, **Duy Thanh Tran**. Building a New Machine Learning Model to Detect the Insurance Fraud. The 4th International Conference on Advanced Convergence Engineering (ICACE 2023), ISBN: 978-604-479-148-7
- [14] Thai Le, Linh Do, **Duy Thanh Tran**. The Intelligent Waste Management System using IoT for Smart Cities. The 4th International Conference on Advanced Convergence Engineering (ICACE 2023), ISBN: 978-604-479-148-7
- [15] Chi Hao Le, Hong Thanh Lam, **Duy Thanh Tran**. New Approach To Extracting Information From Invoice Documents Using The Free-Template Method. International Workshop on Multiple Intelligence on Multimedia Application and RPA (MIMA 2023) (Best Paper Award)
- [16] Thuy Linh Le, **Duy Thanh Tran**. Applying Machine Learning Model For Building Summarization Application. International Workshop on Multiple Intelligence on Multimedia Application and RPA (MIMA 2023)
- [17] Ai Linh Nguyen, **Duy Thanh Tran**. Machine learning automatically detects and analyzes hidden factors in the data, predicting whether a person is depressed. International Workshop on Multiple Intelligence on Multimedia Application and RPA (MIMA 2023)
- [18] Hoang Minh Nhat Nguyen, **Duy Thanh Tran**. Machine Learning Algorithm To Manage State Bank Operating Interest Rate Risk For Banks In Viet Nam. International Workshop on Multiple Intelligence on Multimedia Application and RPA (MIMA 2023)

CONFERENCES:

- [19] Van Toan Bui, **Duy Thanh Tran**. Using Gated Recurrent Units And Neural Long Short-Term Memory For The Vietnamese Stock Market Prediction. International Workshop on Multiple Intelligence on Multimedia Application and RPA (MIMA 2023)
- [20] Minh Tri le, **Duy Thanh Tran**. Text Mining Analysis of Job Advertisements: Uncovering Trends and Discrimination in Job Markets. International Workshop on Multiple Intelligence on Multimedia Application and RPA (MIMA 2023)
- [21] **Duy Thanh Tran**, Trung-Thanh Ho. Apriori Simulation for Discover Association Rules on Multiple Dataset. International Workshop on Multiple Intelligence on Multimedia Application and RPA (MIMA 2023)

BOOKS:







- [1] Le Hoanh Su, Ho Trung Thanh, **Duy Thanh Tran**. Basic mobile app development, ISBN: 978-604-73-5672-0, 2017, Publisher: VNU HCM
- [2] Le Hoanh Su, Ho Trung Thanh, **Duy Thanh Tran**. Advanced mobile app development, ISBN: 978-604-73-5673-7, 2017, Publisher: VNU HCM
- [3] Ho Trung Thanh, **Duy Thanh Tran**, Truong Hoai Phan. Basic programming techniques, ISBN: 978-604-73-7187-7, 2019, Publisher: VNU HCM
- [4] Ho Trung Thanh, **Duy Thanh Tran**, Truong Hoai Phan. Advanced programming techniques, ISBN: 978-604-73-7493-9, 2020, Publisher: VNU HCM
- [5] Nguyen Van Tho, **Duy Thanh Tran**, Pho Hai Dang. Object Oriented Programming, ISBN: 978-604-39-3034-4, 2021, Publisher: Banking University of Ho Chi Minh City
- [6] **Duy Thanh Tran**, and Jun-Ho Huh. Principles, Policies, and Applications of Kotlin Programming. Hershey, PA: IGI Global, USA, pp.1-457, 2023. ISBN13: 9781668466872 | ISBN10: 1668466872 | EISBN13: 9781668466896 DOI: <https://doi.org/10.4018/978-1-6684-6687-2>

AWARDS AND SCHOLARSHIPS

01. [2011-2012] Certificate of Merit for excellent completion of tasks from Ho Chi Minh City University of Industry
02. [2017-2018-2019] Certificate of Merit for excellent completion of tasks from Vietnam National University, Ho Chi Minh City
03. [2017-2018] Certificate of Merit for excellent completion of tasks from University of Economics and Law, Vietnam National University, Ho Chi Minh City
04. [2018-2019] Supervising students to win first prize in scientific research from University of Economics and Law, Vietnam National University, Ho Chi Minh City
05. [2018-2019] Certificate of Merit for excellent completion of tasks from University of Economics and Law, Vietnam National University, Ho Chi Minh City
06. [2019] Certificate of supervising scientific research students who won 3rd prize at the Ministry of Education
07. [2019-2020] Supervising students to win scientific research encouragement awards from University of Economics and Law, Vietnam National University, Ho Chi Minh City
08. [2019-2020] Certificate of Merit for excellent completion of tasks from University of Economics and Law, Vietnam National University, Ho Chi Minh City
09. [2019] Best Paper Award at The 15th International Conference on Multimedia Information Technology and Applications (MITA 2019)
10. [2020-2021] Certificate of Merit for excellent completion of tasks from University of Economics and Law, Vietnam National University, Ho Chi Minh City
11. [2020-2021] Certificate of supervising scientific research students who won 3rd prize from University of Economics and Law, Vietnam National University, Ho Chi Minh City
12. [2022-2023] Certificate of Merit for excellent completion of tasks from University of Economics and Law, Vietnam National University, Ho Chi Minh City

13. [2023] Best Paper Award at International Workshop on Multiple Intelligence on Multimedia Application and RPA (MIMA 2023)
14. [2020-2023] Full PhD Scholarship in Data science, National Korea Maritime and Ocean University, Busan 49112, Republic of Korea
15. [2021] Merit scholarships for graduate students with excellent academic achievements, National Korea Maritime and Ocean University, Busan 49112, Republic of Korea
16. [2022] Merit scholarships for graduate students with excellent academic achievements, National Korea Maritime and Ocean University, Busan 49112, Republic of Korea
17. [2023] Outstanding research achievement award, research development project of Korean National University, National Korea Maritime and Ocean University, Busan 49112, Republic of Korea
18. [2023] Certificate of Merit for graduating with a PhD with excellent grades issued by the President (1st prize research Ph.D. Degree Award), National Maritime and Ocean University (Ministry-level Certificate of Merit), Republic of Korea

EXPERIENCES

| | |
|--------------------------|--|
| 2020 – 2023 | <p>Researcher Full time Researcher</p> <p>Department of Data Informatics, National Korea Maritime and Ocean University, Busan 49112, Republic of Korea. Data Science Lab </p> <ul style="list-style-type: none"> • Research Big Data • Research Data mining techniques • Research Machine Learning tool, Tensorflow, Keras... • Research on community mining in social networks <p>Technologies used: ROBOTICS AI BIG DATA DATA MINING MACHINE LEARNING HADOOP SPARK</p> |
| 2016 – present | <p>Lecturer Full Lecturer</p> <p>Faculty of Information Systems, University of Economics and Law, VNU-HCM </p> <ul style="list-style-type: none"> • Teaching subjects such as Logical Thinking in Programming, Programming Techniques, Algorithms, Data Analysis with R/Python, Business web development, Mobile Commerce (M-Commerce) • Participate in the development of curriculum and training programs... • Participate in training program accreditation... • Deputy Head of e-Commerce department, October-2019 • Head of e-Commerce department, July-2023 <p>Technologies used: JAVA C-SHARP ASP.NET MVC WPF PYTHON C/C++ ANDROID ETC</p> |
| 11/20/2020 01/27/2021 | <p>Senior Training Specialist Training expert</p> <p>HYUNDAI KEFICO Corporation </p> <ul style="list-style-type: none"> • Training Java programming • Training Kotlin programming • Training LINQ programming • Training Restful API programming • Training Full Stack Android Mobile application <p>Technologies used: JAVA KOTLIN LINQ REST API ANDROID SECURITY</p> |
| 06/30/2018 | <p>Training collaboration Training expert</p> <p>Google Vietnam Company </p> <ul style="list-style-type: none"> • Teaching the topic of Digital 4.0 <p>Technologies used: DIGITAL 4.0</p> |
| 2019 – 2020 | <p>Lecturer Visitor Lecturer</p> <p>Faculty of Information Systems, FPT University </p> <ul style="list-style-type: none"> • Teaching Java core Algorithm programming • Teaching Java Advanced programming <p>Technologies used: JAVA</p> |
| 2017 – 2020 | <p>Lecturer Visitor Lecturer</p> <p>Faculty of Information Systems, Ho Chi Minh City University of Technology </p> <ul style="list-style-type: none"> • Teaching Windows programming • Teaching Mobile programming • Graduation thesis guidance consultation <p>Technologies used: JAVA C-SHARP ASP.NET MVC .NET CORE ANDROID</p> |

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|----------------|--|--------------------------|
| 2016 – present | <p>Online training collaboration Topica educational technology complex company </p> <ul style="list-style-type: none"> • Support and advise the company to build online training standards • Teaching online course C++ Programming Techniques • Teaching online course Object Oriented Programming with Java • Teaching online course Python Programming • Teaching online course C Sharp Programming • Teaching online course Android Programming • Teaching online course Java JDBC Programming <p>Technologies used: JAVA C-SHARP PYTHON C/C++ ANDROID</p> | Elearning Trainer |
| 2016 – present | <p>Online training collaboration Unica Online Training Joint Stock Company </p> <ul style="list-style-type: none"> • Support and advise the company to build online training standards • Teaching online course C++ Programming Techniques • Teaching online course Algorithms • Teaching online course Object Oriented Programming with Java • Teaching online course Python Programming • Teaching online course C Sharp Programming • Teaching online course Android Programming • Teaching online course Kotlin Programming • Teaching online course Zalo SDK Programming <p>Technologies used: JAVA C-SHARP PYTHON C/C++ ANDROID KOTLIN ZALO</p> | Elearning Trainer |
| 2016 – present | <p>Online training collaboration Navigos Group Vietnam Joint Stock Company </p> <ul style="list-style-type: none"> • Support and advise the company to build online training standards • Teaching online course Object Oriented Programming with Java • Teaching online course Python Programming • Teaching online course Android Programming • Teaching online course LINQ Programming • Teaching online course Zalo SDK Programming <p>Technologies used: JAVA PYTHON ANDROID LINQ ZALO</p> | Elearning Trainer |
| 2014 – 2017 | <p>Lecturer Informatics Center - University of Natural Sciences - Ho Chi Minh City </p> <ul style="list-style-type: none"> • Compilation of programming textbooks for mobile devices • Teaching basic programming c++ • object-oriented programming with Java • Android Mobile Programming • Windows Phone Programming • Web Restful API • Organize seminars on new technology <p>Technologies used: JAVA C-SHARP WEB API C/C++ ANDROID WINDOWS PHONE</p> | Visitor Lecturer |
| 2014 – 2017 | <p>Head of Strategy Division Hung Gia Saigon Joint Stock Company </p> <ul style="list-style-type: none"> • Head of Strategy Division • Project management • Negotiate contracts and decide on company development strategy <p>Technologies used: ECONOMICS PREDICTION NEGOTIATE MANAGEMENT</p> | Full time Job |

2012 – 2014

Lecturer

Faculty of Information Systems, Dong Nai University of Technology

Full Lecturer

- Head of software engineering department
- Teaching basic programming c++
- Teaching Algorithms
- Teaching C Sharp
- Teaching database programming
- Teaching object-oriented programming with Java
- Teaching advanced Java
- Teaching Web development
- Teaching Advanced programming technology
- Android Mobile Programming

Technologies used:

- JAVA
- C-SHARP
- C/C++
- ANDROID
- JAVASCRIPT
- XML
- VISIO
- LING
- HTML
- ASP.NET

2009 – 2012

Lecturer

Department of Computer science and engineering, Industrial University of Ho Chi Minh City

Full Lecturer

- Compilation of office informatics documents and programming techniques
- Teaching basic programming c++
- Teaching Algorithms
- Teaching C Sharp
- Teaching database programming
- Teaching object-oriented programming with Java
- Teaching advanced Java
- Android Mobile Programming

Technologies used:

- JAVA
- C-SHARP
- C/C++
- ANDROID
- JAVASCRIPT
- XML
- VISIO

2005 – 2010

Software Engineering

KIC company. KIC is a technology company working to make reflow ovens smarter through thermal profiling, automation and optimization solutions.

Full time Job

- Participating in System Profiling projects, including discussion, software design, programming, and testing support, Some of the projects involved in the process of working at the company:
- Project KIC 2000
- Project KIC 24/7
- Project SunKIC
- Project KIC Starter
- Project KIC RPI
- Project KIC Vision
- Project KIC Auto Focus

Technologies used:

- C++
- VISUAL C
- MFC
- JAVASCRIPT
- PLC
- SENSOR
- SMART OVEN

SKILLS, TOOLS & PLATFORMS

Methodologies and Techniques

- Design patterns & Refactoring techniques ●●●●●●
- Domain Driven Design | DDD ●●●●●●
- Testing Approaches ●●●●●●
- Prototyping ●●●●●●
- Process agility & workplace humanization ●●●●●●

Platforms and server technology

- Tomcat, MYSQL ●●●●●●
- Docker ●●●●●●
- Google Cloud ●●●●●●
- SQL Server ●●●●●●
- MongoDB ●●●●●●

✔ Methodologies and Techniques

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|--|-------|
| Design patterns & Refactoring techniques | ●●●●● |
| Domain Driven Design DDD | ●●●●● |
| Testing Approaches | ●●●●● |
| Prototyping | ●●●●● |
| Process agility & workplace humanization | ●●●●● |

✔ Platforms and server technology

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|---------------|-------|
| Tomcat, MYSQL | ●●●●● |
| Docker | ●●●●● |
| Google Cloud | ●●●●● |
| SQL Server | ●●●●● |
| MongoDB | ●●●●● |

✔ Design & Documentation tools

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|-----------------------------|-------|
| Visio | ●●●●● |
| Power Designer | ●●●●● |
| draw.io | ●●●●● |
| Document generation | ●●●●● |
| Atlassian Confluence & Jira | ●●●●● |

✔ Frameworks & libraries

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|----------------|-------|
| Hibernate | ●●●●● |
| JDBC | ●●●●● |
| Open API, RASA | ●●●●● |
| LINQ | ●●●●● |
| Hadoop Spark | ●●●●● |

✔ Programming & Scripting languages

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|----------------------------|-------|
| Java, Android programming | ●●●●● |
| Kotlin | ●●●●● |
| Python | ●●●●● |
| JavaScript & TypeScript | ●●●●● |
| C Sharp, Windows Form, WPF | ●●●●● |
| C ++ | ●●●●● |

✔ Frontend frameworks & Libraries

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|------------------------|-------|
| Angular & AngularJS | ●●●●● |
| jQuery | ●●●●● |
| Node js | ●●●●● |
| Static site generators | ●●●●● |
| Selenium & Cypress | ●●●●● |
| Wordpress | ●●●●● |

✔ Markup languages

| | |
|---------------------|-------|
| XSD & XML | ●●●●● |
| XAML | ●●●●● |
| HTML | ●●●●● |
| CSS SCSS SASS | ●●●●● |
| AsciiDoc Markdown | ●●●●● |
| LaTeX | ●●●●● |

✔ Development tools

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|------------------------------------|-------|
| Maven | ●●●●● |
| Gradle | ●●●●● |
| Git | ●●●●● |
| Remix Ethereum Blockchain platform | ●●●●● |
| Android Studio | ●●●●● |
| Visual Studio | ●●●●● |

1. Top Google search with keywords "tran duy thanh", "duy thanh kotlin", "lap trinh kotlin toan tap", "kotlin toan tap", "duythanhcse", "duythanhcse android".
2. My Blog for Teaching Programming Languages <https://duythanhcse.wordpress.com/> (more than 6.199.000 visitors)
3. Facebook group support teaching programming language <https://www.facebook.com/groups/communityuni/> (more than 8.700 members)
4. Elearning for video Programming language <https://unica.vn/> and <https://edumall.vn/> (about more than 30.000 activated accounts)

| List of Media for Programming Languages | | |
|---|---|---|
| No. | Media title | Link |
| 1 | Complete set of C programming language | https://unica.vn/toan-tap-ngon-ngu-lap-trinh-c |
| 2 | Data Structures and Algorithms- Volume 1 | https://unica.vn/cau-truc-du-lieu-va-giai-thuat-tap-1 |
| 3 | Data Structures and Algorithms - Volume 2 | https://unica.vn/cau-truc-du-lieu-giai-thuat-tap-2 |
| 4 | Programming Zalo with Android SDK | https://unica.vn/lap-trinh-zalo-voi-android-sdk |
| 5 | Basic Android Programming | https://unica.vn/la-p-tri-nh-android-co-ban |
| 6 | Advanced Android Programming | https://unica.vn/la-p-tri-nh-android-nang-cao |
| 7 | Master C++ through 108 lessons | https://unica.vn/thanh-thao-c-qua-108-bai-hoc |
| 8 | Master Python in 4 weeks | https://unica.vn/lam-chu-python-trong-4-tuan |
| 9 | Java programming in 4 weeks | https://unica.vn/lap-trinh-java-trong-4-tuan |
| 10 | Full Kotlin Programming | https://unica.vn/lap-trinh-android-toan-tap-voi-kotlin |
| 11 | Programming Restful Webservice in 6 weeks | https://unica.vn/lap-trinh-restful-webservice-trong-6-tuan |
| 12 | Full LINQ Programming | https://unica.vn/lap-trinh-linq-toan-tap |
| 13 | Full Android Programming | https://unica.vn/lap-trinh-android-toan-tap |
| 14 | WinForm Programming with C: 10 Apps | https://unica.vn/lap-trinh-winform-voi-c-10-ung-dung |
| 15 | Mastering Excel Through Exam Solutions | https://unica.vn/thanh-thao-excel-qua-giai-de-thi |

PERSONALITY

I am a kind person, living in harmony with people and colleagues. I always try to work hard and always try to find effective working methods that increase work efficiency. Always share knowledge as well as help others. Dedicated to the assigned work.