**TRANSCRIPT OF ACADEMIC RECORD**

Student Name: **Ho Ngoc Vuong**

Birthdate: **10/03/1998**

Program: **Bachelor of Science Degree**

University: **University of Information Technology - Vietnam National University - Ho Chi Minh city**

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|  | ​**Courses No.** | **Titles** | **Credits**​ | **Point/**  **Grades** |
| **Semester 1: 2016-2017** | | |  |  |
| 1 | IT001 | Introduction to programming | 4 | 6.4 |
| 2 | MA001 | Calculus 1 | 3 | 7 |
| 3 | MA003 | Linear algebra | 3 | 8.1 |
| 4 | PH001 | Introduction to electrical engineering | 3 | 7.2 |
|  |  | Total credits I Grade Point Average (GPA) | **13** | **7.11** |
| **Semester 2: 2016-2017** | | |  |  |
| 1 | IT002 | Object-oriented programming | 4 | 7.1 |
| 2 | IT003 | Data structures and algorithms | 4 | 9.8 |
| 3 | MA002 | Calculus 2 | 3 | 8.3 |
| 4 | MA005 | Probability and statistics | 3 | 9.3 |
| 5 | PH002 | Introduction to digital circuit | 4 | 7.7 |
|  |  | Total credits I Grade Point Average (GPA) | **18** | **8.4** |
| **Semester 1: 2017-2018** | | |  |  |
| 1 | EN004 | English 1 | 4 | 6.1 |
| 2 | IT004 | Databases | 4 | 7.6 |
| 3 | IT005 | Introduction to computer networks | 4 | 7.8 |
| 4 | IT006 | Computer architecture | 3 | 8.9 |

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| 5 | IT009 | Introduction to IT disciplines | 2 | 9.5 |
| 6 | MA004 | Discrete structures | 4 | 9.5 |
| 7 | SS004 | Professional skills | 2 | 8.7 |
|  |  | Total credits I Grade Point Average (GPA) | **23** | **8.13** |
| **Semester 2: 2017-2018** | | |  |  |
| 1 | CS113 | Computer Graphic and Digital Image Processing | 4 | 8.9 |
| 2 | EN005 | English 2 | 4 | 5.2 |
| 3 | IT007 | Operating systems | 4 | 6.1 |
| 4 | SE104 | Software engineering | 4 | 8.8 |
| 5 | SS001 | Fundamental principles of Marxism-Leninism | 5 | 7 |
| 6 | SS002 | The revolutionary way of the communist party of  Vietnam | 3 | 6.4 |
|  |  | Total credits I Grade Point Average (GPA) | **24** | **7.09** |
| **Semester 1: 2018-2019** | | |  |  |
| 1 | CS110 | Introduction to knowledge engineering and machine learning | 4 | 7.6 |
| 2 | CS111 | Principles and techniques of programming | 4 | 8.3 |
| 3 | CS112 | Design and analysis of algorithms | 4 | 6.5 |
| 4 | CS221 | Natural language processing | 4 | 9 |
| 5 | CS332 | Machine Learning in Computer Vision | 4 | 9 |
| 6 | SS003 | Ho Chi Minh thought | 2 | 6.8 |
|  |  | Total credits I Grade Point Average (GPA) | **22** | **7.96** |
| **Semester 2: 2018-2019** | | |  |  |
| 1 | CS106 | Artificial intelligence | 4 | 6.7 |
| 2 | CS232 | Introduction to Multimedia Computing | 4 | 8.3 |
| 3 | CS406 | Image processing and applications | 4 | 8.8 |
| 4 | CS519 | Scientific research methodology | 3 | 9 |
| 5 | ENG03 | English 3 | 4 | 6.9 |
|  |  | Total credits I Grade Point Average (GPA) | **19** | **7.88** |
| **Semester 1: 2019-2020** | | | | |
| 1 | CS231 | Introduction to Computer Vision | 4 | 10 |
| 2 | CS331 | Advanced computer vision | 4 | 9.8 |
| 3 | CS338 | Pattern recognition | 4 | 8.6 |
| 4 | CS410 | Neural networks and genetic algorithms | 4 | 8.1 |
| 5 | CS529 | Research issues and applications in computer science | 4 | 9.5 |
|  |  | Total credits I Grade Point Average (GPA) | **20** | **9.2** |
| **Semester 2: 2019-2020** | | | | |
| 1 | CS505 | Thesis | **10** | **8.8** |
| **Total Credits** | | | **149** |  |
| **Total Credits Earned** | | | **149** |  |
| **Cumulative Grade Point Average (GPA)** | | |  | **8.04** |