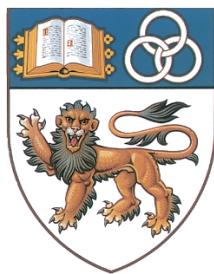


# NATIONAL UNIVERSITY OF SINGAPORE



**This is to certify that**

***ONG HAN WEI***

**having fulfilled the requirements prescribed  
by the University was conferred the degree of**

**BACHELOR OF COMPUTING  
(COMPUTER SCIENCE)  
WITH HONOURS (DISTINCTION)**

**on**

**30 June 2025**



  
*Mark J. Little*  
Chair, Board of Trustees

  
*S. R. Nathan*  
President



NATIONAL UNIVERSITY  
of SINGAPORE

OFFICIAL TRANSCRIPT

NAME:	ONG HAN WEI	STUDENT NO.:	A0234074L	DATE OF BIRTH:	13/04/2000	DATE ISSUED:	02/07/2025
DEGREE CONFERRED:	BACHELOR OF COMPUTING (COMPUTER SCIENCE) WITH HONOURS (DISTINCTION)			COURSE		GRADE	UNITS
GRADE POINT AVERAGE:	4.34			CS2101	EFFECTIVE COMMUNICATION FOR COMPUTING PROFESSIONALS	B+	4.00
CUMULATIVE UNITS:	164.00			CS2102	DATABASE SYSTEMS	B	4.00
ADMISSION DATE:	02/08/2021			CS2103T	SOFTWARE ENGINEERING	A-	4.00
CONFERNMENT DATE:	30/06/2025			QF1100	INTRODUCTION TO QUANTITATIVE FINANCE	A-	4.00
SECOND MAJOR:	QUANTITATIVE FINANCE			BACHELOR OF COMPUTING (COMPUTER SCIENCE) GRADE POINT AVERAGE: 4.27			
COURSE	GRADE	UNITS					
ACADEMIC YEAR 2021/2022 SEMESTER 1				ACADEMIC YEAR 2022/2023 SEMESTER 2			
CS1101S	PROGRAMMING METHODOLOGY	B+		CFG1003	FINANCIAL WELLBEING-INTRODUCTION	CS	-
CS1231S	DISCRETE STRUCTURES	B+		CS2109S	INTRODUCTION TO AI AND MACHINE LEARNING	A	4.00
ES1103	ENGLISH FOR ACADEMIC PURPOSES	S		CS3230	DESIGN AND ANALYSIS OF ALGORITHMS	B-	4.00
IS1103	ETHICS IN COMPUTING	A-		GEC1001	CHINESE MUSIC, LANGUAGE AND LITERATURE (IN ENGLISH)	B+	4.00
MA2001	LINEAR ALGEBRA I	S		GESS1025	SINGAPORE: IMAGINING THE NEXT 50 YEARS	CS	4.00
BACHELOR OF COMPUTING (COMPUTER SCIENCE) GRADE POINT AVERAGE: 4.17				PLS8004	OPTIMIZING PERFORMANCE	CS	1.00
				ST2334	PROBABILITY AND STATISTICS	B+	4.00
				BACHELOR OF COMPUTING (COMPUTER SCIENCE) GRADE POINT AVERAGE: 4.20			
ACADEMIC YEAR 2021/2022 SEMESTER 2				ACADEMIC YEAR 2022/2023 SPECIAL TERM(PART 1)			
CFG1002	CAREER CATALYST	CS	2.00	CP3200	INTERNSHIP	IP	6.00
CS1010R	PROGRAMMING METHODOLOGY	A	1.00				
CS2030S	PROGRAMMING METHODOLOGY II	A-	4.00				
CS2040S	DATA STRUCTURES AND ALGORITHMS	B	4.00				
ES2660	COMMUNICATING IN THE INFORMATION AGE	S	4.00				
GEA1000	QUANTITATIVE REASONING WITH DATA	A-	4.00				
MA1521	CALCULUS FOR COMPUTING	A-	4.00				
PC1432	PHYSICS IIE	S	4.00				
BACHELOR OF COMPUTING (COMPUTER SCIENCE) GRADE POINT AVERAGE: 4.24				BACHELOR OF COMPUTING (COMPUTER SCIENCE) GRADE POINT AVERAGE: 4.20			
ACADEMIC YEAR 2022/2023 SEMESTER 1				ACADEMIC YEAR 2022/2023 SPECIAL TERM(PART 2)			
CS2100	COMPUTER ORGANISATION	A	4.00	CP3200	INTERNSHIP	CS	6.00
				BACHELOR OF COMPUTING (COMPUTER SCIENCE) GRADE POINT AVERAGE: 4.20			



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OFFICIAL TRANSCRIPT

NAME:	ONG HAN WEI	STUDENT NO.:	A0234074L	DATE OF BIRTH:	13/04/2000	DATE ISSUED:	02/07/2025		
COURSE	GRADE	UNITS	COURSE	GRADE	UNITS				
<strong>ACADEMIC YEAR 2023/2024 SEMESTER 1</strong>									
CFG1004	FINANCIAL WELLBEING - ART AND SCIENCE OF INVESTING	CS	2.00	BACHELOR OF COMPUTING (COMPUTER SCIENCE) GRADE POINT AVERAGE: 4.32					
CP3108A	INDEPENDENT WORK	CS	2.00	<strong>ACADEMIC YEAR 2024/2025 SEMESTER 1</strong>					
CS2105	INTRODUCTION TO COMPUTER NETWORKS	A+	4.00	CS4248	NATURAL LANGUAGE PROCESSING	B+	4.00		
CS2106	INTRODUCTION TO OPERATING SYSTEMS	A-	4.00	GEN2004	GREEN COMMUNITIES IN ACTION: CLIMATE, SPECIES, CRISIS	A-	4.00		
CS3219	SOFTWARE ENGINEERING PRINCIPLES AND PATTERNS	A-	4.00	MA2311	TECHNIQUES IN ADVANCED CALCULUS	A-	4.00		
QF2104	FUNDAMENTALS OF QUANTITATIVE FINANCE	A	4.00	QF4102	FINANCIAL MODELLING AND COMPUTATION	A	4.00		
<strong>BACHELOR OF COMPUTING (COMPUTER SCIENCE)</strong> GRADE POINT AVERAGE: 4.31		QF4103		MATHEMATICAL MODELS OF FINANCIAL DERIVATIVES		A-	4.00		
DEAN'S LIST									
<strong>ACADEMIC YEAR 2023/2024 SEMESTER 2</strong>									
CS3264	FOUNDATIONS OF MACHINE LEARNING	B+		BACHELOR OF COMPUTING (COMPUTER SCIENCE) GRADE POINT AVERAGE: 4.35					
CS4218	SOFTWARE TESTING	A-		<strong>ACADEMIC YEAR 2024/2025 SEMESTER 2</strong>					
QF2103	COMPUTING FOR QUANTITATIVE FINANCE	A-		CREDITS TRANSFERRED FROM SHANGHAI JIAO TONG UNIVERSITY	-		4.00		
QF3101	INVESTMENT INSTRUMENTS AND RISK MANAGEMENT	A-		ENROLLED IN THE FOLLOWING NUS COURSES:					
<strong>BACHELOR OF COMPUTING (COMPUTER SCIENCE)</strong> GRADE POINT AVERAGE: 4.32		CS4225		BIG DATA SYSTEMS FOR DATA SCIENCE	B+		4.00		
<strong>ACADEMIC YEAR 2023/2024 SPECIAL TERM(PART 1)</strong>									
CP3202	INTERNSHIP II	IP	6.00	<strong>REMARKS:</strong> PLEASE REFER TO THE TRANSCRIPT OF SHANGHAI JIAO TONG UNIVERSITY FOR DETAILS OF COURSES TAKEN AND GRADES/UNITS OBTAINED.					
<strong>BACHELOR OF COMPUTING (COMPUTER SCIENCE)</strong> GRADE POINT AVERAGE: 4.32									
<strong>ACADEMIC YEAR 2023/2024 SPECIAL TERM(PART 2)</strong>									
CP3202	INTERNSHIP II	CS	6.00	*****END OF TRANSCRIPT*****					

## NATIONAL UNIVERSITY OF SINGAPORE (NUS)

Office of the University Registrar,  
University Hall (Lee Kong Chian Wing),  
#UHL-04-01, 21 Lower Kent Ridge Road, Singapore 119077  
nus.edu.sg/registrar (W) transcript@nus.edu.sg (E)

The transcript information below is applicable to undergraduate and graduate programmes, unless specified otherwise. For earlier transcript information, please visit [nus.edu/transcripts](http://nus.edu/transcripts).

### MEDIUM OF INSTRUCTION

The medium of instruction used in the University is English, unless specified otherwise.

### GRADE LEGEND

<b>Grade</b>	<b>Grade Point</b>	<b>Additional Grading Options</b>
A+, A	5.00	S Satisfactory
A-	4.50	U Unsatisfactory
B+	4.00	CS Completed (Satisfactory)
B	3.50	CU Completed (Unsatisfactory)
B-	3.00	IC Incomplete
C+	2.50	IP In Progress
C	2.00	AUD Audit
D+	1.50	EXE Exempted
D	1.00	W Withdrawn
F	0.00	WU Withdrawal from University

### SCHOOL OF BUSINESS – MASTER'S DEGREE PROGRAMMES

<b>Grade</b>	<b>Grade Point</b>	<b>Additional Grading Options</b>
DT (Distinction)	5.00	S Satisfactory
M (Merit)	4.00	U Unsatisfactory
Pass	3.00	CS Completed (Satisfactory)
Fail	0.00	CU Completed (Unsatisfactory) IC Incomplete IP In Progress AUD Audit EXE Exempted W Withdrawn WU Withdrawal from University

### FACULTY OF DENTISTRY / YONG LOO LIN SCHOOL OF MEDICINE – BACHELOR'S DEGREE PROGRAMMES

<b>Grade</b>	<b>Descriptor</b>	<b>Additional Grading Options</b>
A+	Distinction	DT Distinction
A		M Merit
A-		P Pass
B+		IC Incomplete
B		IP In Progress
B-		W Withdrawn
C+		WU Withdrawal from University

### SUPPLEMENTARY EXAMINATION AND RE-EXAMINATION

Students who sit for Supplementary Examination or Re-examination (if applicable) are awarded the grade appropriate to the marks they obtain.

### UNITS

A unit is a measure of the effort, stated in terms of time, expected of a typical student in managing their course workload. One (1) unit is equivalent to 2.5 hours of study and preparation per week. Thus, a 4-unit course would require 10 hours of work a week, including lectures, tutorials, laboratory sessions, assignments, and independent or group study, in a regular semester.

### GRADE POINT AVERAGE (GPA)

The Grade Point Average (GPA) tracks the progress of students under the modular system. It is the weighted average grade point of all courses taken by the student, unless specified otherwise. Courses with no assigned unit or grade point are excluded from the calculation of the GPA.

### GRADE-FREE SCHEME (GFS)

The Grade-free Scheme (GFS), in the form of 32 units of Satisfactory/Unsatisfactory (S/U) option, was introduced for undergraduate students admitted from AY2014/2015 onwards, to provide a supportive and enabling environment for them to make a successful transition to university life. If the S/U option is exercised on a course, its grade will not be computed towards the GPA. The units of a course will be counted towards the degree if an "S" grade is attained, and will not be counted if a "U" grade is attained.

### LEAVE OF ABSENCE

Only leave of absence of one semester or longer is recorded in the transcript.

### DEGREE CLASSIFICATION

The degree classification criteria for undergraduate students admitted from AY2012/2013 onwards are as follows:

<b>Honours Degree Classification (i)</b>	<b>Criteria</b>
Honours (Highest Distinction)	GPA 4.50 and above (ii)
Honours (Distinction)	GPA 4.00 – 4.49
Honours (Merit)	GPA 3.50 – 3.99
Honours	GPA 3.00 – 3.49
Pass	GPA 2.00 – 2.99
<b>Bachelor's Degree Classification (iii)</b>	<b>Criteria</b>
Pass with Merit	GPA 3.00 and above
Pass	GPA 2.00 – 2.99

(i) For 160-unit Bachelor's degree programmes.

(ii) Each degree programme may stipulate its additional requirements.

(iii) For 120-unit Bachelor's degree programmes.

### FACULTY OF LAW – DEGREE CLASSIFICATION

(a) The criteria for degree classification applicable to students conferred their Bachelor of Laws (LLB) degrees from 30 June 2016 are as follows:

<b>Degree Classification</b>	<b>Criteria</b>
First Class Honours*	Obtained a Cumulative Weighted Numerical Average for all courses taken at NUS that is equivalent to a grade of A or better, or finished in the top 10% of the graduating class.
Second Class (Upper Division) Honours*	Obtained a Cumulative Weighted Numerical Average for all courses taken at NUS that is equivalent to a grade of B or better, and do not qualify for First Class Honours.
Second Class (Lower Division) Honours	Obtained a Cumulative Weighted Numerical Average for all courses taken at NUS that is equivalent to a grade of C or better, and do not qualify either for First Class or Second Class (Upper Division) Honours.
Third Class Honours	Completed the number of units required for a LLB (Honours) degree but do not qualify for First Class, Second Class (Upper Division) or Second Class (Lower Division) Honours.

\*Note: A student will not be eligible for First Class or Second Class (Upper Division) Honours if:

- a) the student has failed more than 12 units of courses at NUS (or while on an approved exchange programme); or
- b) the student has taken more than 9 semesters to complete the 4-year LLB programme or 7 semesters to complete the 3-year Graduate LLB programme (excluding periods where the student has been granted a leave of absence).

(b) The criteria for degree classification applicable to students conferred their Juris Doctor (JD) degrees are as follows:

<b>Degree Classification</b>	<b>Criteria</b>
JD (Highest Distinction)	Obtained a Cumulative Weighted Numerical Average for all courses taken at NUS that is equivalent to a grade of A- or better.
JD (Distinction)	Obtained a Cumulative Weighted Numerical Average for all courses taken at NUS that is equivalent to a grade of B or better.
JD (Merit)	Obtained a Cumulative Weighted Numerical Average for all courses taken at NUS that is equivalent to a grade of C or better.
JD	Completed the number of units required for a JD degree but do not qualify for JD (Highest Distinction), JD (Distinction) or JD (Merit).

### CHECK FOR AUTHENTICITY:

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