

# TSINGHUA UNIVERSITY

## ACADEMIC TRANSCRIPT

**Student Name** Zhang Zheyu

**Gender** Male **Student No.** 2020010981 **Student Type** Undergraduate **Date of Admission** September,2020

**School/Department** Institute for Interdisciplinary Information Sciences **Major** Computer Science and Technology

Course Number	Course Title	Credit	Grade	Point	Year-Semester
00782131	Introduction to Art Appreciation	1	P	N/A	2020-Autumn
02070071	Mental Training and Latent Ability Developing	1	B+	3.6	2020-Autumn
04100012	Algorithm Design and Complexity Analysis	2	A+	4.0	2020-Autumn
10421055	Calculus A(1)	5	B+	3.6	2020-Autumn
10610183	Ideological Moral and Legal Education	3	A-	4.0	2020-Autumn
10680011	Situation and Policy	1	A	4.0	2020-Autumn
10691342	Writing and Communication	2	B+	3.6	2020-Autumn
10720011	Physical Education(1)	1	A-	4.0	2020-Autumn
12090052	Military Theory	2	A	4.0	2020-Autumn
20470044	Linear Algebra	4	A	4.0	2020-Autumn
30470013	Introduction to Computer Science	3	A+	4.0	2020-Autumn
00240193	The Art and Practice of Programming	3	A-	4.0	2021-Spring
10421065	Calculus A(2)	5	A	4.0	2021-Spring
10610193	Outline of Modern Chinese History	3	A-	4.0	2021-Spring
10690013	Roads to Academic	3	A-	4.0	2021-Spring
10720021	Physical Education(2)	1	A	4.0	2021-Spring
20470024	General Physics(1)(in English)	4	A	4.0	2021-Spring
20470054	Abstract Algebra	4	A	4.0	2021-Spring
30470023	Mathematics for Computer Science	3	A	4.0	2021-Spring
84100343	Deep Learning	3	P	N/A	2021-Spring
12090062	Military Skills	2	B+	3.6	2021-Summer
20470102	Data Structures in the Real World	2	A	4.0	2021-Summer
30470232	The Physics of Information	2	A+	4.0	2021-Summer
00240074	Data Structure	4	A+	4.0	2021-Autumn
10610204	Principle of Marxist Philosophy	4	B+	3.6	2021-Autumn
10720031	Physical Education(3)	1	B+	3.6	2021-Autumn
20250153	Fundamentals of Digital Electronics	3	A	4.0	2021-Autumn
20470034	General Physics(2)(in English)	4	A	4.0	2021-Autumn
30470104	Machine learning	4	A	4.0	2021-Autumn
30470124	Algorithm Design	4	A+	4.0	2021-Autumn
40470243	Artificial Intelligence: Principles and Techniques	3	A	4.0	2021-Autumn
10680022	Introduction to Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era	2	P	N/A	2022-Spring
10680032	Introduction to MaoZedong Thought and the Theoretical System of Socialism with Chinese Characterist1	2	P	N/A	2022-Spring
10720041	Physical Education(4)	1	A	4.0	2022-Spring
14201102	English for Academic Purposes (B): Essay Writing	2	A-	4.0	2022-Spring
20240033	Numerical Analysis	3	A-	4.0	2022-Spring
20470084	Computer Architecture	4	A	4.0	2022-Spring
30470134	Theory of Computation	4	A+	4.0	2022-Spring
30470154	Game Theory	4	A	4.0	2022-Spring
40470024	Fundamentals of Cryptography	4	A	4.0	2022-Spring
80470273	Topics on Quantitative Investment and Financial Optimization	3	A	4.0	2022-Spring
10680042	Introduction to MaoZedong Thought and the Theoretical System of Socialism with Chinese Characterist2	2	P	N/A	2022-Summer

**Total Credits:** 139.0 **GPA:** 3.95

**Date of Graduation:** \*\*\*\*\*

**Degree Conferred:** \*\*\*\*\*

**Director of Registrar's Office:** 尹佳

**Official Seal:**

**Date Printed:** October 23, 2023

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Course Number	Course Title	Credit	Grade	Point	Year-Semester
20470112	AI+X Computing Acceleration: From Algorithms Development, Analysis, to Deployment	2	A-	4.0	2022-Summer
10720110	Physical Education(1)	0	B-	3.0	2022-Autumn
10780112	Peking Opera and Chinese Traditional Culture	2	P	N/A	2022-Autumn
14201112	English for Academic Purposes (B)Spoken Communication	2	P	N/A	2022-Autumn
40470423	Natural Language Processing	3	A+	4.0	2022-Autumn
40470434	Operating Systems and Distributed Systems	4	A	4.0	2022-Autumn
40470085	Research Immersion Training	5	A	4.0	2023-Summer
42540023	Students Research Training	3	A+	4.0	2023-Autumn
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## KEY TO TRANSCRIPT

### I. COURSE NUMBERING SYSTEM

Each course number consists of 8-10 characters.

The first character indicates the course level:

0-4 or H-T, W = undergraduate courses

6-9, A-G or X-Z = graduate courses

### II. CREDIT

Credit is reported in terms of semester hours, whether earned during a 16-week semester or a summer session. For 1 unit of credit, either one hour per week is allotted to lecture or discussion, or two hours per week are allotted to laboratory, while more hours are needed for preparation or subsequent reading and study.

### III. THE RECORD ENDS WITH \*\*\*\*\*.

### IV. DATE OF GRADUATION and DEGREE CONFERRED

For currently enrolled undergraduates, the columns of DATE OF GRADUATION and DEGREE CONFERRED are \*\*\*\*\*.

### V. GRADING SYSTEMS

a) EFFECTIVE for students who matriculated in spring 2015 and after

(i) Tsinghua University converted to a LETTER GRADING SYSTEM. The table below shows the grades in detail.

(ii) Credits are given for A+, A, A-, B+, B, B-, C+, C, C-, D+, D, P and EX.

(iii) W: Withdrew.

(iv) I: Incomplete. Marked when a student's application is approved for not attending the final exam.

(v) EX: Exemption. Students receive credits for exempted courses.

Grade	Grade Points	Corresponding 100-point Range	Equivalent 100-point value*
A+	4.0	95-100	100
A			98
A-			92
B+	3.6	85-89	87
B	3.3	80-84	82
B-	3.0	77-79	78
C+	2.6	73-76	75
C	2.3	70-72	71
C-	2.0	67-69	68
D+	1.6	63-66	65
D	1.3	60-62	61
F	0	0-59	0
P	N/A	N/A	N/A
F	N/A	N/A	N/A

\* For the transition period in 2015-2018 between the 100-point grading system and the letter grading system, Tsinghua has provided a corresponding average of values in the 100-point range of each grade. The equivalent 100-point value for course receiving credits corresponds to the median in the range. Students who matriculated in spring 2019 and after no longer use the equivalent 100-point value.

b) EFFECTIVE for students who matriculated prior to spring 2015

(i) 100-POINT GRADING SYSTEM: Credits are given for 60 points and above.

(ii) PASS/FAIL SYSTEM: Credits are given for PASS.

DISTINCTION (for undergraduates only): Credits are given for DISTINCTION.

(iii) REPEATED COURSES: The transcript displays only the latest result of a repeated course. Repeated courses are designated with an "Rn" code beside the final grade, where "n" indicates the number of times the course was repeated.

### VI. GRADING POLICY REFORM 2015-2018

In the ten years prior to spring 2015, 30 percent of A-range grades have been given. From fall 2015, Tsinghua initiated a grading reform: A-range grades (A+, A, A-) were to account for 20 percent of the grades given in all courses. In Spring 2019, the faculty reaffirmed its commitment to fair and transparent assessment and removed its numeric target for the percent of A-range grades.

### VII. GPA CALCULATION

$$GPA = \frac{\sum \text{Course Credit} * \text{Grade Point}}{\sum \text{Course Credit}}$$

GPA is shown for students who matriculated in spring 2015 and after in a 4.0 grading scale. Course grades with N/A (Not Applicable) should not be included in GPA calculation.